VAUXHALL Vectra

Owner's Manual

Data specific	to	your	ve	hicle	2
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Please enter your vehicle's data here to keep it easily accessible.

This information is available under the section "Technical data" as well as on the identification plate.

Fuel	Designation									
Engine oil										
	Grade									
	Viscosity									
Tyre inflation	pressure									
		Tyre size		with up	to 3 person	s		with full	load	
	Summer tyres		Front		Rear		Front		Rear	
	Winter tyres		Front		R ear		Front		Rear	
Weights										
Permissible gro	oss vehicle weight									
-	EC kerb weight									
=	Loading									
Level control										
	Bumper Height		see page	179						

Your Vectra

Developed to the latest findings of vehicle research, it offers technical sophistication and exceptional comfort.

Your vehicle represents an ideal synthesis of advanced technology, outstanding safety, environmental compatibility and economy in operation.

It now lies with you to drive your vehicle safely and to see it performs perfectly.

This Owner's Manual provides you with all the necessary information to that end.

The Owner's Manual should always be kept in the vehicle: ready to hand in the glove compartment.

Make use of the Owner's Manual:

- Its "In brief" section will give you an initial overview.
- Its index will help you find what you want.
- It will familiarize you with the sophisticated technology.
- It will increase your pleasure in your vehicle.
- It will help you to handle your vehicle expertly.

The Owner's Manual is designed to be clearly laid-out and easily understood.

This symbol:

- ▶ signifies: continue reading on next page.
- * The asterisk signifies equipment options not in all vehicles (model variants, engine options, models specific to one country, optional equipment, Genuine Vauxhall Parts and Accessories).

Text highlighted in yellow in particular indicates possible risk of accident and injury. Disregard of these notes can lead to injuries which may be fatal. Vehicle passengers must be informed accordingly.

Yellow arrows in the illustrations serve as points of reference or indicate some action to be performed.

Black arrows in the illustrations indicate a reaction or a second action to be performed.

We wish you many hours of pleasurable driving Your Vauxhall team

Contents

Commitment to customer satisfaction:

Our aim: to keep you happy with your vehicle. All Vauxhall Authorised Repairers offer first class service at competitive prices. Experienced, factory-trained technicians work according to factory instructions. Your Authorised Repairer can supply you with GEN UINE VAU XHALL-APPROVED PARTS, which have undergone stringent quality and precision checks, and of course useful and a thractive VAUXHALL-APPROVED ACCESSORIES.

Our name is your guarantee!

For details of the

Vauxhall Authorised Repairer Network please ring this number; 01582 - 427200

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In brief



Key numbers, Code numbers

Remove key number from keys.

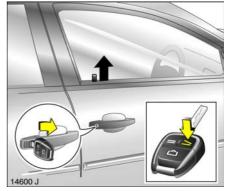
The key number is specified in the vehicle documents and in the Car Pass *

Alloy wheels *, towing equipment *: make a note of the key identifier codes.

Electronic immobiliser, Radio *: the code numbers are specified in the Car Pass and Radio Pass * respectively.

Do not keep the Car Pass and Ra dio Pass in the vehicle.

► Further information – see pages 54, 55, vehicle recommissioning – see page 244.



Unlock vehicle: Press button ≥ or turn key in driver's side doorlock, pull doorhandle

Once

Driver's door is unlocked.

Twice

Entire vehicle is unlocked.
The luggage
compartment is
automatically relocked
after 5 minutes.

▶ Door locks, child safety lock – see page 54, electronic immobiliser – see page 55, radio frequency remote control – see page 56, central locking system – see page 58, anti-theft locking system * – see page 58, Vauxhall alarm system * – see page 63.



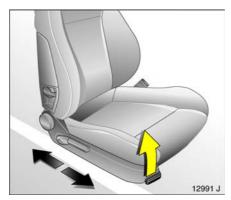
Unlock luggage compartment: Press button △ on remote control or button ⇔ in the driver or passenger door

The lug gage compartment is unlocked and can be opened within 5 minutes.

If the luggage compartment is not opened within 5 minutes, it is automatically locked again.

The luggage compartment is automatically locked 5 minutes after closing.

► Radio frequency remote control – see page 56, central locking – see page 58, Vauxhall alarm system * – see page 63.

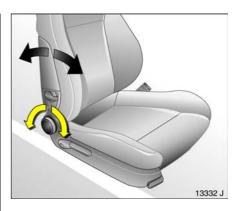


Front se at adjustment: Pull handle, slide seat, release handle, allow se at to audibly latch into position

Never adjust the seat while driving. It could move in an uncontrolled manner when the handle is pulled.

► Seat position – see page 69, electrically adjustable front seats – see page 79.

Important: Do not sit nearer than 10 inches (25cm) from the steering wheel, to permit safe airbag deployment.

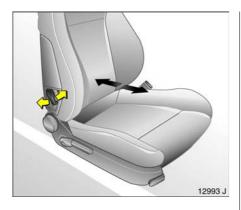


Adjust front seat backrests: Turn handwheel

Move seat backrest to suit seating position.

Do not lean on seat backrest whilst adjusting it.

► Seat position – see page 69, electrically adjustable front seats – see page 79.

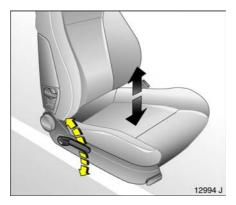


Adjusting front seat lumbar support: Adjust lever

Adjust lumb ar support to suit personal requirements.

Do not lean on seat backrest whilst adjusting it.

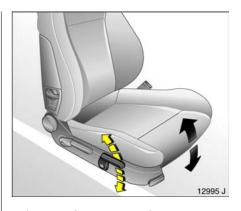
► Seat position – see page 69, electrically a djustable front seats – see page 79.



Adjusting front seat height *: Operate lever on outboard side of seat

Pump direction of the lever Up: Raises seat Down: Lowers seat

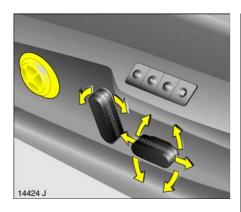
► Seat position – see page 69, electrically adjustable front seats – see page 79.



Adjusting front seat inclination *: Operate front lever on outboard side of seat

Pump direction of the lever Up: Inclines seat Down: Levels seat

► Seat position – see page 69, electrically adjustable front seats – see page 79.



Electric seat adjustment *: Switch on outboard side of seat

Front:

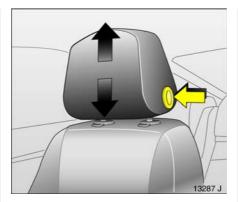
- Longitudinal adjustment,
- Height adjustment,
- Angle adjustment.

Middle:

- Backrest adjustment.

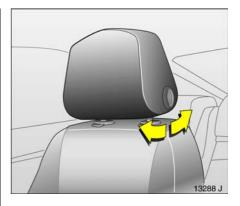
Rear *:

- Lumbar support.
- ► Seat position see page 69, electrically a djustable front seats – see page 79.



Adjusting head restraint height of front and rear outboard seats: Press button to release and adjust height, engage in position

► Head restraint position – see page 70, rear head restraints – see page 70.



Adjusting head restraint angle of front and rear outboard seats *: Swivel bottom edge of head restraint forward or rearward

► Head restraint position – see page 70, rear head restraints – see page 70.

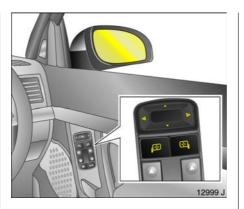


Adjusting interior mirror: Swivel mirror housing

Swivel lever on underside of mirror housing to reduce dazzle at night.

Automatic anti-dazzle interior mirror *: Dazzle at night is automatically reduced – see page 114.

▶ Position memory ※ – see page 80.



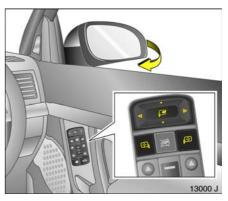
Adjusting exterior mirrors: Four-way switch on driver's door

Press switch for left or right hand mirror: four-way switch operates the corresponding mirror.

Vehicles with electric seat adjustment *: if the mirror switch for the passenger side is depressed when reverse gear is engaged, the passenger side exterior mirror repositions itself towards the rear tyres in order to serve as mirror parking assistance (not when towing a caravan / trailer).

Automatic anti-dazzle exterior mirror on the driver's side *: dazzle at night is automatically reduced – see page 114.

► Further information, aspherical exterior mirror % – see page 114, heated exterior mirrors – see page 20, electric seat adjustment % – see page 79.



Swing in exterior mirror:

Manually: press lightly.

Electric *(both mirror switches must not be latched into position):

Push four-way switch to the right: exterior mirrors swivel in.

Push four-way switch to the left: exterior mirrors swivel out.

The mirrors can a so be swivelled in from the outside: press button = on remote control or tum key toward rear of vehicle in driver's door lock and hold.

Swivelling only allowed at speeds of up to 4 mph (7 km/h).

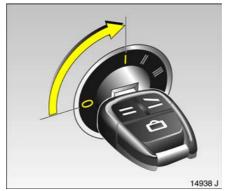


Fitting seat belt: Draw seat belt smoothly from inertia reel. auide over shoulder and engage in buckle

The belt must not be twisted at any point. The lap belt must lie snugly against the body. The backrest must not be tilted back too far (recommended tilting angle approx. 25°).

To release belt, press red button on belt buckle.

► Seat belts – see pages 95 to 99. airbag systems *- see page 100, seat position – see page 69.



Disengaging steering column lock: To release the lock, move the steering wheel slightly and turn the key to position I Positions:

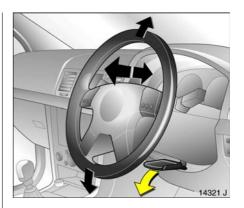
0 = Ignition off

I = Steering free, ignition off

II = Ignition on, with diesel engine: pre-heat

III = Start

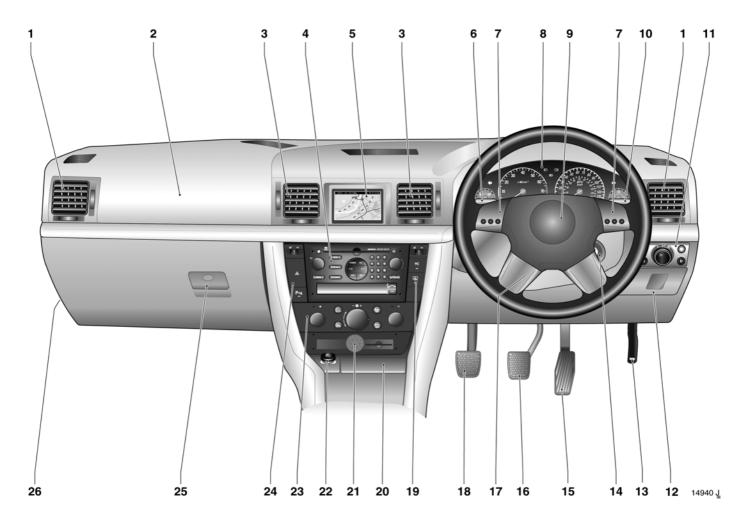
► Starting – see page 23, electronic immobiliser – see page 55, remove key and lock steering wheel see page 24.



Steering wheel adjustment *: Move lever down, adjust height and distance. move lever up, engage

Adjust steering wheel only when vehicle is stationary and steering column lock is released.

► Airbag systems * - see page 100.



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Control indicators Turn signal lights: see pages 17, 33.

- Oil pressure: see page 33.
- Brake system, clutch system: see p ages 34, 181.
- Alternator: see page 34.
- Airbag systems, belt tensioners: see pages 96, 105.
- Coolant temperature: see pages 34, 40.
- Seat belt *:
 see page 35.

- Automatic transmission *, CVTronic *, winter programme: see pages 147, 155.
- Glow plugs *: see page 35.
- Anti-lock Brake System: see page 183.
- Traction Control system *,
 Electronic Stability Programme *:
 see pages 168, 170.
- **Front fog lights ※:** see pages 35, 116.
- O‡ Fog tail light: see pages 35, 116.
- Main beam: see pages 16, 35.

- Seat occupancy recognition *: see page 105.
- Cruise control *: see page 172.
- Fuel level: see pages 36, 40, 199.
- Exhaust emission *: see pages 36, 166.
- Adaptive Forward Lighting (AFL) *: see pages 28, 118.
- Trailer turn signal *: see page 36.

Display in tachometer

The following control indicators will illuminate as necessary:

- Immobiliser: see pages 37, 55, 166.
- Electro-hydraulic power assisted steering: see page 37.
- Hea dlight range adjustment *: see page 117.
- Parking distance sensors *: see page 174.
- ভৌঠ Engine electronics, transmission electronics *: see pages 37, 55, 166.
- Open luggage compartment: see pages 37, 61.
- Airbag systems, belt tensioners: see pages 96, 105.
- Bulb replacement *: see pages 38, 218.

- Brake pad wear indicator *: see pages 38, 180.
- Engine oil level: see pages 38, 236.
- Coolant fluid level: see pages 38, 239.
- Service interval display: see page 234.
- Tyre pressure control system *, loss of pressure warning from the respective tyre:

 see pages 38, 176.
- (!) Tyre pressure control system *, fault:
 see pages 38, 176.
- Doors open *, indicating the respective door: see page 38.

Lighting

Light switch, stalk positions: see pages 16, 116,

- O Lights off
- **⊅**€ Parking lights
- **■D** Dipped and main beam

- Front fog lights *: see page 116.
- Oŧ Fog tail light: see page 116.
- Main beam: see page 16.
- Turn signal lights: see page 17.
- Instrument illumination: see page 117.
- Headlight range adjustment *: see page 117.
- Courtesy light: see page 118.
- Courtesy light deactivation *: see page 118.
- Reading lights, front *: see page 118.
- Hazard warning lights: see page 18.

Climate control

% Air flow:

seepage 127.

Air distribution: see page 127,

to head area above adjustable air vents and to footwell,

to head area above adjustable air vents front and rear *,

to wind screen,

to windscreen and to footwell,

₩ to footwell.

Demisting and defrosting *: see pages 133, 137.

Heated rear window: see page 128.

Air conditioning system *: see page 128.

Air recirculation system *: see page 128.

AUTOAutomatic mode *: see page 135.

Heated seats ★:
 see page 130.

Driver's seat with climate control *: see page 130.

Remote control of auxiliary heating / ventilation *: see page 140.

Sun roof *****

Sun roof: closing – see page 123.

Sun roof: opening – see page 123.

Sun roof: comfort setting – see page 123.

Sun roof: raising – see page 123.

Windscreen wiper

Stalk positions: see page 19,

O off,

Timed interval wipe, or automatic wipe with rain sensor *,

— Slow,

— Fast.

Date, time, information display, radio Information display: see page 41.

- On button for date and time,
- Setting buttons for date and time.

But tons on wiper stalk *: see page 42.

- Trip computer, forwards menu search,
- Trip computer, backwards menu search,
- O Trip computer, select

Remote control * for radio and Infota inment system: see page 30.

Cruise control * But tons on turn signal stalk: see page 172.

- On, Accelerate,
- Decelerate,
- O off.

Miscellaneous

- Central locking system: locking – see page 58.
- Central locking system: unlocking – see page 58.
- Boot lid / tail gate: unlocking – see page 61.
- Luggage compart ment: unlocking – see page 61.
- Central locking switch: see page 59.
- Anti-theft alarm system *: see page 63.
- Child safety switch *: see page 121.
- Rear window blind *: see page 125.
- Punda Parking distance sensors *: see page 174.

- Cigarette lighter *: see page 89.
- Horn: see page 18.
- Bonnet: see page 68.
- Winter programme, automatic transmission *, CVTronic *: see pages 147, 155.
- Selector lever locking, automa tic transmission *, CVTronic *: see pages 144, 151.
- First-aid kit *: see page 204.
- Warning triangle ★: see page 204.



Light switch: 0 = Off

∍< = Parking lights

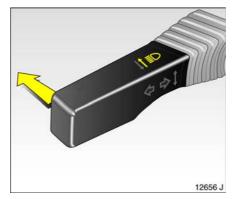
ID = Dipped ormain beam

Press Oŧ = Fog tail light

Press ₱ = Front fog lights ❖

► Other notes – see page 116, head light warning device – see page 24, head light range adjustment ※ – see page 117,

instrument illumination % – see page 117, day time driving lights % – see page 116.



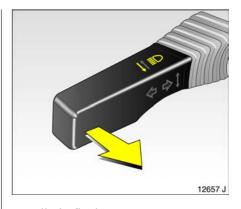
Main and dipped beam switch:

Main beam = Push stalk forward

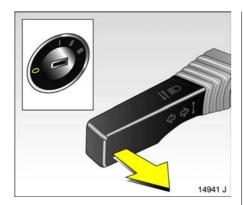
Dipped beam = Push stalk forward

again

You can also switch from main beam to dipped beam by pulling the stalk towards the steering wheel.



Headlight flash: Pull stalk towards steering wheel



Operating door-to-door lighting 1) *: Key to position 0 and remove, open driver's door, pull turn signal stalk towards steering whe el

Dipped beam and the reversing lights light up for an additional 30 seconds after the driver's door is closed.

If the driver's door is left open, the lights will go out after two minutes.

Door-to-door lighting can be deactivated by inserting the key in the ignition switch or by pulling the turn signal stalk towards the steering wheel aga in while the driver's door is open.

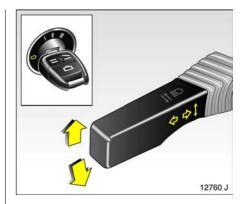
Operating turn signal lights: Right = Stalk all the way up Left = Stalk all the way down

The turn signal stalk retums to its original position after use. When the steering wheel is straightened up, the turn signal lights are automatically cancelled.

Switch the turn signal off manually by tapping the stalk.

When changing lanes, tap stalk until resistance is felt: the respective turn signal will flash three times.

Hold the stalk if you want the turn signals to flash longer.



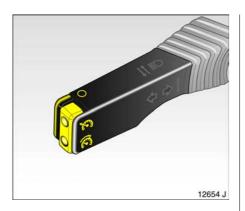
Operating parking lights: Light switch to position 0, ignition key to position 0, move turn signal stalk fully upwards or downwards

As a check, a warning buzzer sounds and the turn signal control indicator on the respective side illuminates.

To switch it off, switch on the ignition or move the turn signal stalk in the opposite direction.

¹²⁶⁵⁵ J

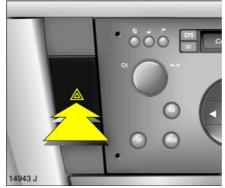
^{1) &}quot;Door-to-door" light function.



Cruise control operation: Press button on stalk

Switch on: tap button \mathfrak{S} . Switch off: tap button \mathbf{O} . Resume at stored speed: tap button \mathfrak{S} .

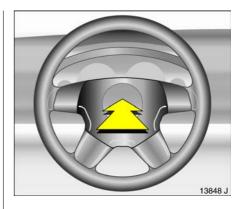
► Cruise control 🛠 – see page 172.



Hazard warning lights: On = Press ▲

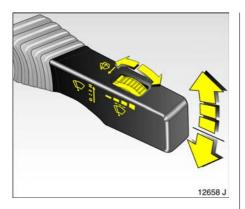
On = Press ▲
Off = Press ▲ again

To aid location of the pushbutton, the red surface is illuminated when the ignition is switched on. When the button is pressed, its control indicator flashes in time with the hazard warning lights.



Sounding the horn: Press the centre of the steering wheel

► Airbag systems ※ – page 100, remote control for radio and Infotainment system ※ – page 30.



Windscreen wiper: Gently tap stalk upward

O = Off

–– = Adjustable timed interval wipe

— = Slow

= = Fast

Stalk always moves back to starting position. Shift to next gear up or down: just tap stalk gently.

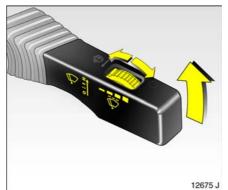
Push stalk past resistance point and hold: windscreen wiper stages are selected.

Adjustable interval wipe ——:
Shorter intervals = Turn adjuster wheel to
right

Longer intervals = Turn adjuster wheel to left

Press the stalk down from position **O**: Single swipe.

► Further information – see pages 240, 241, 246.



Automatic wiping with rain sensor*: Gently tap stalk upward

O = Off

-- = Automatic wiping with rain sensor

= Slow (constant)

= = Fast (constant)

Automatic wiping --: The rain sensor detects the amount of water on the wind screen and automatically regulates the windscreen wiper. The sensitivity of the system can be adjusted using the adjuster wheel:

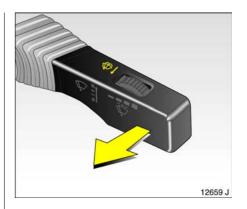
Less sensitive = To the left

More sensitive = To the right

If necessary, the positions — or = can be selected manually.

To switch off, move stalk downwards.

► Further information – see pages 240, 241, 246.



Operating windscreen and headlight wash systems *: Pull stalk towards steering wheel

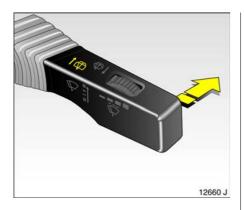
The wiper will swipe for a few strokes. At low speeds, there is a one-time post-wash swipe.

The headlight wash system * is ready for operation when the lights are switched on. Wash fluid is sprayed onto the headlights (twice). Subsequently the headlight wash system is blocked for 2 minutes.

The headlight wash system is deactivated if wash fluid is low.

On vehicles fitted with rain sensor *, keep the sensor area clean.

► Further information – see pages 241, 242, 246.



Rear window wiper * and wash system *

Operation:

Wiper on Wiper off Push stalk forwardPush stalk forward

again

Wash = Press and hold

The rear window wiper swipes in timed interval mode.

When washing, the wiper swipes for a few strokes. At low speeds, there is a one-time post-wash swipe.

The rear window wash system is deactivated if wash fluid is low.

► Further information – see pages 241, 242, 246.



Heated rear window, heated exterior mirrors:

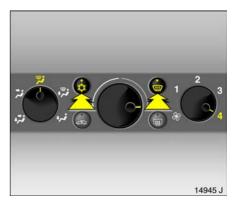
On = Press 📟

Off = Press 🖫 again

Heating operational only with engine running.

The rear window and exterior mirror heating is switched off automatically after approx. 15 minutes.

► Further information – see page 128.



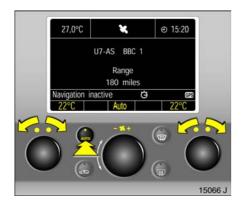
Clearing misted or icy windows: Set air distribution to , turn rotary switches for temperature and fan clockwise

Air conditioning system *: Push \$\overline{w}\$ and \$\overline{x}\$ buttons, turn rotary switch for temperature clockwise

Open front air vents, direct side air vents towards the door windows. Close centre air vents *.

► Heating, ventilation, air conditioning **%** – see page 126,

electronic air conditioning system *****–see page 134.



Setting electronic air conditioning system * to automatic mode: Press AUTO button, set temperature for driver and passenger sides using left and right knobs

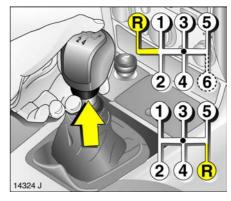
Open all front airvents. If desired, the rear vents also *.

▶ Electronic air conditioning system \$ – see page 134.



Information display: Used to display information on:

- Time,
- outside temperature,
- radio * and date,
- navigation *,
- telephone 🛠,
- check control ¥,
- trip computer *,
- electronic air conditioning \divideontimes .
- ► Information display * see page 41.



Manual transmission

= Neutral position

1 to 5 = 1 st to 5 th 9 gear

6 = 6th gear *

When shifting up from 4th to 5th gear. push the lever towards the right at the beginning of the shift operation.

Between 5th and 6th gear *: push gearshift lever to right in straight line.

When shifting from 5th to 4th gear: do not exert any force towards the left.

R = Reverse gear

Reverse gear: with vehicle stationary, pull the ring up three seconds after de-clutching and engage gear.

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.



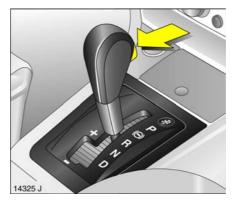
Automatic transmission *:

- P = Park position
- R = Reverse gear
- N = Neutral
- D = Automatic gear selection Selector lever in D to left:
- + = Upshift
- = Downshift

Always start in **P** or **N**. To leave position, operate brake pedal and press button on selector lever (selector lever lock).

To engage ${\bf P}$ or ${\bf R}$, push button on selector lever.

- **P:** Only with vehicle stationary, first apply handbrake
- R: Only with vehicle stationary
- ► Automatic transmission see page 144.



CVTronic *:

- P = Park position
- R = Reverse gear
- N = Neutral
- D = Continuously variable automatic mode

Selector lever in D to left: Continuously variable automatic mode

- + = Upshift
- = Downshift

Always start in **P** or **N**. To leave position, operate brake pedal and press button on selector lever (selector lever lock).

To engage ${\bf P}$ or ${\bf R}$, push button on selector lever.

- **P:** Only with vehicle stationary, first apply handbrake
- R: Only with vehicle stationary
- ► CVTronic see page 150.



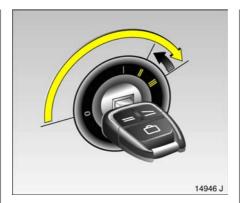
Exhaust gases are poisonous

Exhaust gases contain carbon monoxide, which is extremely poisonous but is odourless and colourless.

Therefore never inhale exhaust gases, and never run the engine in an enclosed space.

Before starting off, check:

- Tyre pressure and condition see pages 176, 184, 268.
- Engine oil level and fluid levels in engine compartment see pages 235 to 242.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- No objects are in front of the rear wind ow, on the instrument panel or in the area in which the airbags inflate.
- Seats, seat belts and mirrors are correctly adjusted.
- Brake operation.

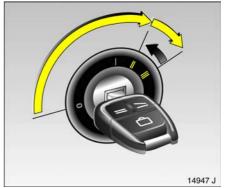


Starting, petrol engines:
Manual transmission idling with
clutch pedal depressed,
operate foot brake,
automatic transmission or CVTronic
in P or N,
do not accelerate,
turn key to position III

The initially increased engine speed automatically falls as the engine temperature rises.

Before repeating the starting procedure, turn the key back to **0** in the ignition switch, remove it and then reinsert it. Then repeat the starting procedure.

► Electronic immobiliser – see page 55, further information – see pages 158, 199.

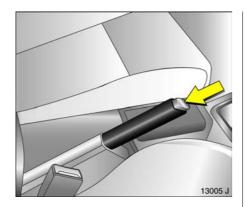


Starting, diesel engine:
Manual transmission in neutral with clutch pedal depressed, apply foot brake, automatic transmission in P or N, do not accelerate, turn key to position II; when control indicator \(\mathbb{W} \) goes out 1, turn key to position III

Before repeating the starting procedure, turn the key back to **0** in the ignition switch, remove it and then reinsert it. Then repeat the starting procedure.

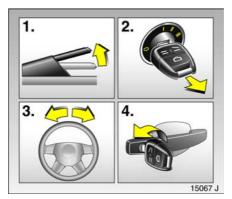
► Electronic immobiliser – see page 55, further information – see pages 158, 199.

Preheating system switches on only if outside temperature is low.



Releasing the handbrake: Raise lever slightly, press lock button, lower lever fully

▶ Brakes - see page 180



Parking the vehicle: Apply handbrake firmly, engine off, remove key, lock steering wheel, lock vehicle

To lock, press button = or turn key anticlockwise in the lock. To activate the anti-theft locking system * and anti-theft alarm system *, press button = twice or turn key anti-clockwise twice.

► Further information – see pages 55, 158, radio frequency remote control – see page 56,

central locking system – see page 58, Vauxhall a larm system * – see page 63, vehicle decommissioning – see page 244.

Advice when parking:

- Always apply hand brake firmly. On slopes apply the hand brake as firmly as possible.
- With manual transmission, select first gear or reverse, for automatic transmission * or CVTronic *, place selector lever in P.
- Close windows and sun roof *.
- In vehicles with automatic transmission * or CVTronic * the key can only be removed in selector lever position P.
- Turn steering wheel until you feel lock engage (anti-theft protection).
- Engine cooling fan may run on after the engine has been switched off.

Warning buzzers

While driving:

- \blacksquare If seat belt is not fastened¹⁾,
- If a specified maximum speed is exceeded¹⁾.
- If the luggage compartment is open when the vehicle starts off.

When the vehicle is parked and the driver's door is opened:

- If the key is inserted **,
- If exterior lights are on,
- If the turn signal stalk is engaged.

¹⁾ Country-specific version.



Service work, maintenance

We recommend that you entrust all work to a Vauxhall Authorised Repairer, who can provide you with reliable service and correctly perform all work according to factory instructions.

► If you have a problem—see page 232, service interval display — see page 234.

Genuine Vauxhall Parts and Accessories

We recommend "Genuine Vauxhall Parts and Accessories" and conversion parts released expressly for your vehicle type. These parts have undergone special tests to establish their reliability, safety and specific suitability for Vauxhall vehicles. Despite continuous market monitoring, we cannot assess or guarantee these attributes for other products, even if they have been granted approval by the relevant authorities or in some other form.

"Genuine Vauxhall Parts and Accessories" and conversion parts approved by Vauxhall can be obtained from a Vauxhall Authorised Repairer, of course. Here you will be given comprehensive advice a bout permitted technical changes and correct installation will take place.

For your safety

Carry out regularly the checks recommended in the individual sections of this Owner's Manual.

Ensure that your vehicle is serviced at the service intervals specified in the Service Booklet. We recommend that you entrust this work to a Vauxhall Authorised Repairer.

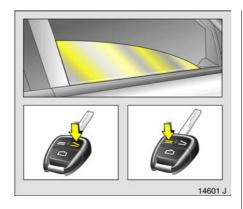
Have faults remedied without delay! Consult a workshop. We recommend a Vauxhall Authorised Repairer. If necessary, interrupt your journey.

► Maintenance – see page 234.

That was the most important information for your first drive in your Vectra.

The other pages of this chapter contain a summary of the other interesting functions in your vehicle.

The remaining chapters of the Owner's Manual contain important information on operation, safety and maintenance as well as a complete index.



External window and sun roof * operation *

Press button ≥ or = on the remote control until the windows are open or closed, respectively.

Press button = on the remote control until the sun roof is closed.

If the rain sensor * detects water with the mechanical anti-theft locking system * activated, all electronic windows and the sun roof are closed. The windows and the sun roof are also automatically closed after four hours.

► Further information – see pages 122, 124.



Position memory * for electrically adjustable driver's seat, exterior mirrors and inside rear view mirror

Storing settings

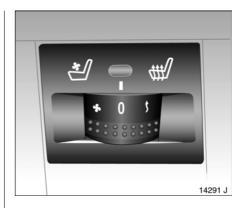
- 1. Adjust seat and mirror,
- Press memory button Mand the position button to be used (1, 2 or 3) simultaneously. Storage is acknowledged by an acoustic signal.

Retrieving settings

Press and hold down position buttons 1, 2 or 3, until stored positions have been reached.

Adjustments may only be performed with vehicle stationary.

► Further information – see page 69.



Heated seats *, driver's seat with climate control *

Operate the adjuster wheels beneath the centre air vents and buttons on the rear of the centre console.

For the front seats, set knurled wheels to required ventilation setting * or heater setting as per requirements. For rear outboard seats, press buttons.

► Further information – see page 130.

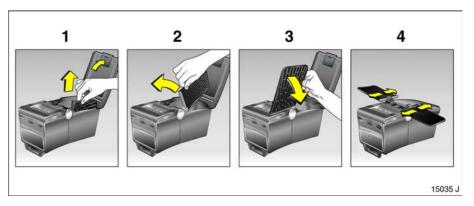


Travel Assistant *

The Travel Assistant contains:

- armrest,
- stowage compartments,
- waste container,
- drink holders,
- accessory sockets,
- connection console e.g. for DVD player **,
- electric cool box,
- tables,
- twin audio (rear audio module) * or stowage compartment.

The Travel Assistant is installed on a console above the middle seat in the rear.



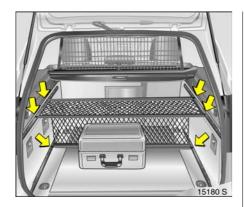
Ta bles

Fold arm rest upward (1).

Use recessed grip to pull table upward as far as it will go (1), swivel table forward (2) and fold downward (3).

Set required clearance by adjusting longitudinal position of table (4).

► Further information – see page 72.

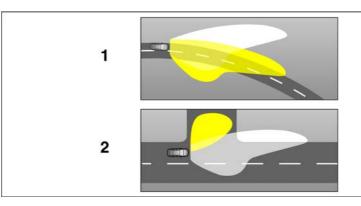


FlexOrganizer*

The side walls house attachment rails that can be used as necessary for different systems to divide the luggage compartment or secure bads.

The system consists of:

- variable partition net
- variable partition wall
- partition rod
- mesh pockets for the side walls
- hooks
- ► Further information see page 86.



Adaptive Forward Lighting (AFL) *

On vehicles with Bi-Xenon headlights, improves illumination of

- curves (curve lighting),
- intersections and tight tums (turn lighting).

Curve lighting

The Xenon light beam pivots based on steering wheel position and speed (from approx. 6 mph / 10 km/h).

15237 J

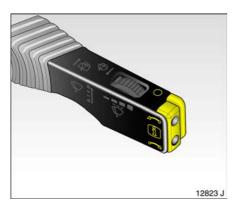
The headlights shine at an angle of up to 15° to the right or left of the direction of travel.

Turn lighting

An additional light is switched on based on steering wheel position (when turned past approx.90°), turn signal use and speed (up to approx.25 mph / 40 km/h).

The light shines at an angle from approx. 90° to the left or right of the vehicle up to a distance of approx. 30 metres.

► Further information – see page 118.



Operating the graphical information display * or the colour information display * Using buttons on wiper stalk Rear button:

O Activate / confirm / select

Front buttons:

Move up in the menu

Move down in the menu



Using multifunction button

Push Confirm / select Rotate Move in menu

► Further information – see page 42.



Trip computer *

The trip computer shows vehicle data which it continually records and evaluates electronically.

Functions:

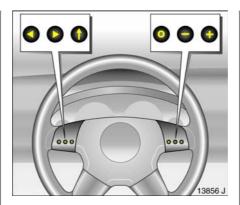
- Range,
- Effective consumption,
- \blacksquare Average consumption,
- Instantaneous consumption,
- Average speed,
- Distance,
- \blacksquare Settings.
- ► Further information see page 48.



Check control *

Check control monitors several fluid levels, the tyre pressure *, the radio frequency remote control battery, the anti-theft alarm system * and important external lights, including the cables and fuses. In trailer mode the trailer lighting is a so monitored.

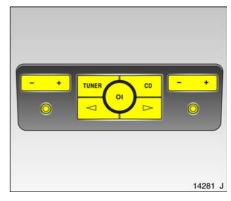
► Further information – see page 46.



Remote control for radio and Infotainment system *

Radio *, radio telephone * and Infotainment system * functions can be operated with the buttons on the steering wheel.

For further information, see the respective operating instructions.

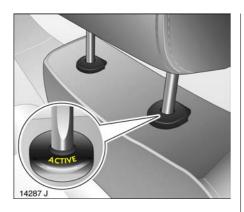


Twin Audio *

Twin Audio provides rear seat occupants the opportunity to listen to a different audio source than the one selected by the driver.

Two headphone connections are available with separate volume control.

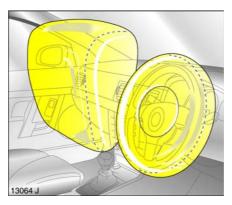
For further information, see the respective radio operating instructions.



Active head restraints *

In the event of a rear-end impact, the active head restraints automatically tilt forwards. The head is more effectively supported by the head restraint and the danger of hyperextension in the neck area is reduced.

Active head restraints are identified by the lettering **ACTIVE** on the head restraint guide bushes.

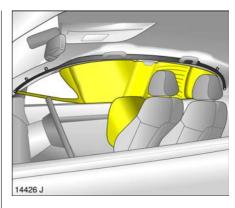


Vauxhall Full-Size airbag system

The Vauxhall Full-Size airbag system comprises several individual systems.

Front airbag system

The front airbag system will be triggered in the event of a serious accident involving a frontal impact and forms safety cushions for the driver and front passenger. The forward movement of the driver and front passenger is checked and the risk of injuries to the upper body and head thereby substantially reduced.



Si de airbag system 🛠

The side airbag system triggers when a side-on collision occurs and provides a safety barrier for the driver and/or passenger in the respective front door area. This reduces the risk of injury to the upper body considerably in case of a side impact.

Curtain airbag system *

The curtain airbag system triggers in case of a side-on collision and provides a safety barrier in the head area on the respective side of the vehicle. This reduces the risk of injury to the head considerably in case of a side-on collision.

► Further information – see page 100.



Parking distance sensors *

The parking distance sensors front and rear systems are automatically switched on when driving in reverse gear.

The parking distance sensors can also be switched on and off manually using the Polybutton on the instrument panel.

If the vehicle approaches an obstacle to the front or rear, a series of signals is sounded in the vehicle interior. The interval between the signals becomes shorter as the distance is reduced. If the distance is less than 30 cm, the signal will be continuous

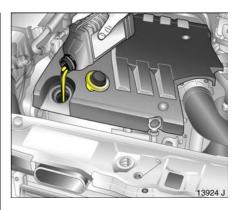
► Further information – see page 174.



ECOService-Flex

The oil change and service intervals are flexible, based on a number of different parameters and the conditions under which the vehicle is used. Various enginespecific data is continuously recorded and used to calculate the remaining distance up to the next inspection date.

The remaining driving distance can be seen in the tachometer display when the ignition is off: press the reset button under the trip odometer; ** and the remaining driving distance will then be displayed.



With the specially developed engine oil for vehicles with ECOService-Flex, the next engine oil change is due after a maximum of 2 years or 25,000 miles / 35,000 km (petrol engine) or after a maximum of 2 years or 30,000 miles / 50,000 km (diesel engine)

When topping up the oil, always use grade GM-LL-A-025 or GM-LL-B-025 in order to maintain the flexible maintenance intervals.

► Further information – see pages 234, 251.

Instruments

Controlindicators

The control indicators described here are not present in all vehicles. The descriptions however, a pply to all instrument versions.

Some control indicators are shown as pictograms within the tachometer dial area.

$\langle 1 \rangle$

Turn signal lights

The corresponding control indicator flashes when the turn signal is on. If the hazard warning lights are activated, both control indicators flash. Rapid flashes: a turn signal bulb or its associated fuse has failed. Changing bulbs – see page 218, fuses – see page 212.



15235 J

4

Oil pressure

Control indicator lights up when ignition is switched on. Goes out shortly after engine starts. Can light up intermittently when idling with hot engine; must go out when engine speed is increased.

Lights up when the engine is running: Engine lubrication may be interrupted. This may resultin damage to the engine and/or locking of the drive wheels:

- 1. Depress clutch.
- Shift transmission to idling, with automatic transmission * or CVTronic * move selector lever to N.

- Steer as quickly as possible out of the stream of traffic, without impeding other vehicles.
- 4. Switch the ignition off (Position I).

When the ignition is off, considerably more force is needed to brake and steer.

Do not remove key until vehicle has come to a standstill, otherwise the steering column lock could engage unexpectedly.

Check oil level before consulting a workshop. We recommend a Vauxhall Authorised Repairer.



15236 J

(D)

Brake system, clutch system

The control indicator lights up when ignition is switched on if handbrake is applied or if brake / clutch fluid level is too low. Further information – see pages 181, 240.

If it lights up when the handbrake is not applied: stop the vehicle; interrupt your journey immediately. Consult a workshop. We recommend a Vauxhall Authorised Repairer.



Alternator

Control indicator lights up when ignition is switched on. Goes out shortly after engine starts.

Lights up when the engine is running:
Stop, switch engine off. Battery is not charged. Engine cooling may not be operating. With a diesel engine, the brake servo unit may stop operating. Consult a work shop. We recommend that you consult a Vauxhall Authorised Repairer.



Airbag systems *, belt tensioners * see pages 96, 105.



Coolant temperature

Lights up when the engine is running:
Stop vehicle and switch off engine. Coolant
temperature is too high: switch off engine.
Danger to engine. Coolant fluid
temperature display – see page 40.
Check the coolant level immediately –
see page 238.



Seat belt *

The control indicator lights up when the ignition is switched on and remains lit until the seat belt is fastened. An a coustic signal is also emitted when the car starts to move. Fastening seat belt – see page 98.



Winter programme with automatic transmission * or CVTronic *

Control indicator lights up when winter programme selected.

Further information – see pages 147, 155.



Preheating * for diesel engines

Control indicator lights up during preheating.

Preheating system switches on only if outside temperature is low.



Anti-lock Brake System * see page 182.



Traction Control system *, Electronic Stability Programme * see pages 168, 170.



Front fog lights *

Control indicator lights up when front fog lights are switched on.



Fog tail lights

Control indicator lights up when fog tail light is switched on.



Main beam

Control indicator lights up when main beam is on and when headlight flash is operated.

l⊴'×

Seat occupancy recognition * see page 105.



Cruise control ***** see page 172.



15235 J



Fuel level

Lit. low fuel level. Fuel gauge in reserve area.

If it flashes: fuelused up, fill up immediately.

Never let the tank run dry!

Petrol engines: erratic fuel supply can cause catalytic converter to overheat – see page 164.

Diesel engines: if the tank is run dry, bleed the fuel system as described on page 199.



Exhaust gases 🛠

Control indicator lights up when ignition is switched on. Goes out shortly after engine starts.

Lights up when the engine is running: Fault in emission control system. The permitted emission limits may be exceeded. Consult a workshop. We recommend a Vauxhall Authorised Repairer.

If it flashes when the engine is running:
For fault that can lead to destruction of the catalytic converter—see page 166. Consult a workshop immediately. We recommend that you consult a Vauxhall Authorised Repairer.



Adaptive Forward Lighting (AFL) *

Fault in system. Consult a workshop. We recommend a Vauxhall Authorised Repairer.

AFL – see page 118.



Trailer turn signal light *

Control indicator flashes in time with turn signal lights when towing. Does not flash if a turn signal light on the towing vehicle or trailer fails.



Display in tachometer

Im mobil iser

Fault in electronic immobiliser, engine will not start—see page 55. Consult a workshop. We recommend that you consult a Vaux hall Authorised Repairer.



Electro-hydraulic power assisted steering

Fault in electro-hydraulic steering system. Power steering may not work. Vehicle can still be steered, but considerably more force is required. We recommend you consult a Vauxhall Authorised Repairer.



Fault in automatic headlight range adjustment system*

Contact a workshop immediately. We recommend that you consult your Vauxhall Authorised Repairer – see page 117.



Parking distance sensors * see page 174.



Engine electronics, transmission electronics

Fault in engine electronics or transmission electronics. Electronics switch to emergency running programme. Fuel consumption may increase and driveability of the vehicle may be impaired – see page 166. Fault in immobiliser system – see page 55. Contact a workshop. We recommend your Vauxhall Authorised Repairer.



Bootlid open

Indicates the luggage compartment is open. Close the luggage compartment – see page 61.



Airbag systems, belt tensioners see pages 96, 105.



Bulb replacement *

A bulb has failed. Check the lights, and exchange the failed bulb. Bulb exchange – see page 218.



Brake lining wear indicator *

Front disk brake pad worn to minimum thickness. Contact a workshop to have the brake pads changed. We recommend that you contact a Vauxhall Authorised Repairer – see page 180.



Engine oil level

Engine oil level too low. Check engine oil level at the first opportunity. Engine oil level – see page 236.



Coolant level

Coolant level too low, check the coolant level immediately – see page 239.



Service interval

seepage 234.



Tyre pressure control system *, loss of pressure warning

Check the pressure of the respective tyre immediately – see page 176.



Tyre pressure control system *, fault

see page 176.



Öpen doors

Indicates that one or more doors is open. Close all doors.

P, R, N, D, 1 to 5

Automatic transmission *,

Selector lever position or mode selected - see page 146.

P, R, N, D, A, 1 to 6 CVTronic *.

Selector lever position or mode selected - see page 153.



13009 J

Tachometer¹⁾

Indicates engine speed.

Warning zone: maximum permissible engine speed exceeded; danger to engine.

Spee dome ter 1)

Indicates the vehicle speed.

Odometer

Records the miles / kilometres driven.

Trip odometer

To return to zero, depress reset knob with ignition switched on.

Service interval display – see pages 32, 234.

¹⁾ The instruments in your vehicle may differ from the instruments illustrated here.

³⁹



Coolant temperature display

Pointer in zone at left

 Engine operating tem perature not yet reached

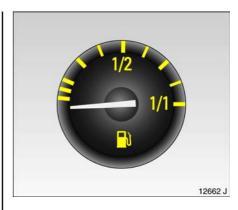
Pointer between the zones

Normal operating temperature

Pointer in warning zone at right or £ is lit

= Temperature too high: Stop, switch off engine, danger to engine, check coolant lev el immediately – see page 239. For physical reasons, the engine temperature gauge shows the coolant temperature only if the coolant level is adequate.

During operation the system is pressurised. The temperature may therefore rise briefly to over $100\,^{\circ}\text{C}$.



Fuel gauge

Pointer in left

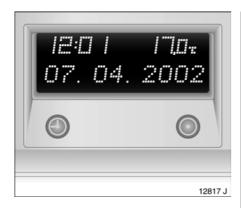
zone or **B** lit = Reserve area

Pointer in left zone or **■**

flashing = Fill up – see page 163

Never run the tank dry!

Because of the fuel remaining in the tank, the amount of fuel required to fill the tank may be less than the specified tank capacity.



Information display Triple information display

Display of time, outside temperature and radio / date.

The time and outside temperature are displayed when the ignition is on. The date is displayed when the radio * is switched off.

When the ignition is off, the time, date and outside temperature can be presented for 15 seconds by briefly pressing one of the two buttons below the display.

Display of --.- °C or F in the display indicates a fault. Have the cause remedied. We recommend that you consult a Vauxhall Authorised Repairer.



Graphical information display *, Colour information display *

Display of date, time, outside temperature, and information from check control *, trip computer *, electronic air conditioning system *, radio * and Infotainment system *.

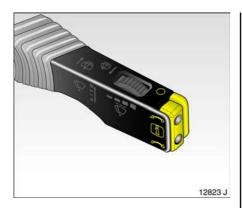
The graphical information display presents the information in monochrome. The colour information display presents the information in colour.



The information displayed depends on the vehicle equipment and the settings of the trip computer **, the electronic air conditioning system **, the radio ** and the Infotainment system **.

Electronic air conditioning system — see page 134. For operation of the radio and Infotainment system refer to the accompanying operating instructions.

Display of --.- °C or F in the display indicates a fault. Have the cause remedied. We recommend that you consult a Vauxhall Authorised Repairer.



Operating the graphical information display * or the colour information display *

The functions are activated using the buttons on the wiper stalk or by using the multifunction button if the vehicle is equipped with a radio telephone * or Infotainment system * – see Fig. 12824 J.

If check control issues a warning message, the display is blocked from other functions. Acknowledge the message with button O on the wiper stalk * or by pressing the multifunction button. If there are several fault warnings, ack nowledge them one at a time.



The trip computer functions are activated using the menus on the display and the buttons on the wiperstalk* or via the radio telephone * or Infotainment system *.

Activation using buttons on wiper stalk:
The individual menu items are selected
using the and buttons and selected
by pressing the O button. To activate the
trip computer, press the O button.

Activation using multi-function button: the individual menu items are selected by rotating and selected by pressing. Press BC button on system to activate the trip computer.



System settings

The figures show execution with the colour information display.

In the trip computer settings menu, select **System Settings**.

On vehicles without trip computer, press button O on the wiper stalk *.

The system settings menu will be displayed.



Language selection

You can select the display language for some functions.

In the **System Settings** menu, select item **Instructions**.

The list of available languages will be displayed.



Select the required language from the list. Selections are indicated by a \triangleright in front of the menu item.



Setting units of measure

You can select which units of measure are to be used.

In the \mathbf{System} $\mathbf{Settings}$ \mathbf{menu} , \mathbf{select} item \mathbf{Units} .

Select from the list of units that opens.

Selections are indicated by a \triangleright in front of the menu item.



Adjust contrast

In the **System Settings** menu, select item **Contrast**.

The contrast menu will be displayed. Confirm the required setting.

Set display mode

The display can be adjusted to suit the light conditions, black or coloured text on a light background or white or coloured text on a dark background.

In the **System Settings** menu, select item **Automatic**, **Day** or **Night**.

Automatic: Adjustment depending on vehicle lighting.

Day: Black or coloured text on light background.

Night: White or coloured text on dark background.

Setting date and time

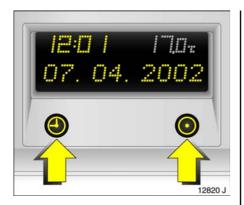
In systems with a GPS receiver¹⁾ (Infotainment system *, radio telephone with GPS module *) the time and date are automatically set when a GPS satellite signal is received. If the displayed time does not match the local time, the time can be corrected by making manual entries in steps of 30 minutes or automatically by receiving an RDS time signal²⁾ *.

In radios without a GPS receiver, the time and date can be adjusted manually or automatically using the RDS time signal *.

Some RDS transmitters do not send correct time signals. If the incorrect time is displayed often, deactivate the automatic time synchronisation * and set the time manually.

The automatic setting is indicated by Θ in the display.

GPS = Global Positioning System,
 Satellite system for world-wide positioning.
 RDS = Radio Data System.



Vehicles with triple information display Manual setting

Switch off radio. Press Θ and Θ below display as follows:

Press Θ for approx. 2 seconds:

Day flashes
O: Set day

O. Set day

Φ: Month flashes

O: Set month

Θ: Year flashes

⊙: Set year

Φ: Hours flash

O: Set hours

O: Minutes flash

O: Set minutes

O: Clock is started.

Deactivating and activating automatic setting

Hold down Θ for approx. 2 sec., clock display is now in setting mode.

Press O twice (until year flashes).

Press and hold down O for approx. 3 seconds until O flashes in display and text "RDS TIME" appears (years flash during this time).

Display indicates:

RDS TIME 0 = Deactivated
RDS TIME 1 = Activated

Press O three times.



Vehicles with graphical information display % or colour information display % In the System Settings menu, select item Time / Date.

The menu for time / date will be displayed.

Select the menu items required.

Make the desired settings and confirm.

Select menu item OK.

Correcting time *

To correct the time, use RDS in the Time / Date menu to select item **Auto. Time Correction**.

The field behind **Auto. Time Correction** will be ticked.



Outside temperature

A fall in temperature is indicated immediately and a rise in temperature after a time delay.

On vehicles with triple information display, the symbol \(\frac{\pi}{2} \) is shown in the display from 3 °C as a warning for icy road surfaces.

On vehicles with graphical information display & or colour information display & a message is shown in the display to warn for icy road surfaces. See figure.

Caution: The road surface may already be icy even though the display indicates a few degrees above 0 °C.

Check control *****

Check control monitors several fluid levels, the tyre pressure *, the radio frequency remote control batteries, the anti-theft alarm system * and important external lights, including the cables and fuses. In trailer mode, the trailer lighting is also monitored.

Once the ignition has been switched on, all check control functions are automatically verified.

Fault warnings appear on the display. If there are several fault warnings, they are displayed one after the other.

Some of the fault warnings appear on the display in an abbreviated form.

Acknowledge fault displays as described on page 42.

Fault warnings:

Check remote control battery

If battery voltage of the remote control unit is too low – see page 57.



Check brake light switch

Fault. Brake light does not come on when brake applied. Have cause of fault remedied immediately. We recommend that you consult a Vauxhall Authorised Repairer.

Check safeguard

Fault. System error in a nti-theft alarm system. Have cause of fault remedied immediately. We recommend that you consult a Vauxhall Authorised Repairer.

If there is a fault in the lighting system, the respective location of the fault is displayed as text, e.g.:

Check right brake light

If brake light is defective, the relevant tail light takes over the brake light function.

Bulb exchange – see page 218.

If tyre pressure is too low, the display indicates the tyre to check, e.g.:

Check rear right tyre pressure

Check tyre pressure at next opportunity, using suitable tyre pressure gauge. Tyre pressure control system * – see page 176. Checking tyre pressure – see page 184.

If there is major loss of pressure in a tyre, the display indicates the tyre at fault, e.g.:

Rear left tyre pressure loss

Stop immediately and check tyre. Tyre pressure control system % – see page 176.

Check wash fluid level

Fluid level in windscreen wash system too low. Top up wash fluid – see page 242.

Rear window wash system * and headlight wash system * are deactivated if wash fluid is low.

Interruption of power supply

The check control * automatically checks all functions after the battery has been reconnected or charged. Stored fault warnings appear on the display one after the other.



Trip computer *

The trip computer shows vehicle data which it continually records and evaluates electronically.

Some of the functions appear on the display in an abbreviated form.

Functions:

- Range,
- Effective consumption,
- Average consumption,
- Instantaneous consumption,
- Average speed,
- Distance,
- Settings.

Check control warnings a lways have priority.



Range over 30 miles (50 km)

Range is calculated from current fuel tank content and instantaneous consumption. The display shows average values.

The range updates automatically after a brief delay after the vehicle has been refuelled. Manual updating is also possible – see page 50.



Range below 30 miles (50 km)

If the fuel in the tank will allow less than 30 miles (50 km), a warning "Range" appears on the display.



Effective consumption

Shows the amount of fuel consumed. The measurement can be restarted at any time – see page 50.



Average consumption

Calculation of average consumption. The measurement can be restarted at any time – see page 50.



Instantaneous consumption

Display changes depending on speed:

Display in gal/h below 8 mph

(13 km/h),

Display in mpg above 8 mph

(13 km/h).



Average speed

Average speed calculation. Measurement can be restarted at any time, see right-hand column.

Stoppages in the journey with the ignition off are not included in the calculations.



Distance travelled

Displays number of miles (kilometres) driven. Measurement can be restarted at any time, see right-hand column.



Reset current trip computer information

The following trip computer information can be reset (restart measurements):

- Range (only with vehicle stationary),
- Effective consumption,
- Average consumption,
- Average speed,
- Distance travelled.

Select the required items from the trip computer menu.

Then select menu item **Settings**.

The Settings menu is displayed.



Select **BC Reset present** in the Settings menu.

The value for the selected function will be reset and recalculated.

The range values can only be reset if the vehicle is stationary.

After resetting, "- - -" is displayed with the trip computer information selected. The recalculated values are displayed after a brief delay.



Resetting multiple information on the trip computer

The following trip computer information can be reset simultaneously (restart measurements):

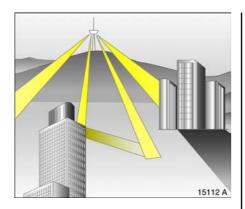
- Effective consumption,
- Average consumption,
- Average speed,
- Distance travelled.

Select menu item **BC Reset all** in the Settings menu.

The values are reset and "***" is displayed. New values are only displayed when the engine is running. The average speed is calculated shortly after starting to drive.

Interruption of power supply

If the power supply has been interrupted or if the battery voltage has dropped too low, the values stored in the trip computer will be lost.



Radio *

The radio is operated as described in the operating instructions supplied.

The display for the radio appears on the information display.

Car radio reception differs from domestic radio reception:

As the vehicle aerial is relatively near the ground, the broadcasting companies cannot guarantee the same quality of reception as is obtained with a domestic radio using an overhead aerial.

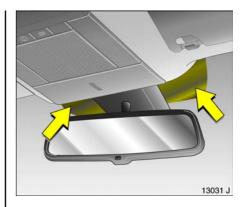
- Changes in distance from the transmitter,
- Multi-path reception due to reflection and
- Shadowing

may cause hissing, noise, distortion or loss of reception altogether.

Infotainment system *

The Infotainment system is operated as described in the operating instructions supplied.

Depending on the version, the Infotainment system contains telematics (telephone).



Electronic data acquisition in toll systems*

On vehicles with heat-reflecting windscreens¹⁾ *, mount the chipcard * for electronic data a cquisition and billing in the black shaded zone of the windscreen on the left or the right behind the interior rear-view mirror, see figure. If the chipcard is mounted outside this zone, malfunctions may occur in data acquisition.

Solar Reflect.

Mobile telephones and radio equipment (CB) *

The Vauxhall installation instructions and the operating guidelines provided by the telephone manufacturer must be observed when fitting and operating a mobile telephone. Failure to do so could invalidate the vehicle's operating permit (EU Directive 95/54/EG).

Prerequisites for fault-free operation:

- Professionally installed exterior aerial to obtain the maximum range possible,
- Maximum transmission power 10 Watt,
- Installation of the telephone in a suitable spot (see note on page 107).

Obtain advice on predetermined installation locations for the external antenna and equipment holder and ways of using devices with transmission power of more than 10 Watts. We recommend that you consult a Vauxhall Authorised Repairer, who will have brackets and various installation kits available as accessories and will install them in accordance with regulations.

Be sure to use the handsfree attachment if using the telephone whilst driving. Even this can be a distraction while driving. Please observe country-specific regulations.

When used in the vehicle interior, mobile telephones and radio equipment (CB) with integrated aerial may cause malfunctions in the vehicle electronics.

Mobile telephones and radio equipment (CB) should only be used with an aerial fitted on the vehicle exterior.

Keys, doors, bonnet

Replacement keys

The key is a constituent of the electronic immobiliser. Ordering keys from a Vauxhall Authorised Repairer guarantees problemfree operation of the electronic immobiliser. You will avoid unnecessary costs, difficulties with insurance companies when processing claims and problems asserting warranty claims.

Keep the spare key accessible in a safe place.

Locks - see page 248.

Lock cylinders

Designed to free-wheel if they are forcefully rotated without the correct key or if the correct key is not fully inserted.

To reset, turn cylinder with the correct key until its slot is vertical, remove key and then re-insert it. If the cylinder still free-wheels, turn the key through 180° and repeat operation.



Child safety locks

Use the child safety lock whenever children are occupying the rear seats. Disregard may lead to injuries or endangerlife. Vehiclep assengers should be informed accordingly.

Using key, turn lever on rear door lock from the vertical position: door cannot then be opened from inside.



Electronic immobiliser

The system checks whether the vehicle may be started using the key that has been inserted. If the key is recognised as "authorised" the vehicle can be started. The check is carried out via a transponder housed in the key – see page 56.

To activate:

Switch off engine, turn key to position **0** and remove.

To deactivate:

Turn key to position II (ignition on); the engine can then be started.

Deactivation is not possible in any other way, so keep spare key accessible in a safe place!

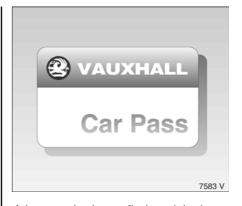


Control indicator for immobiliser

If control indicator @ lights when the ignition is switched on, the key is not recognised by the system and the engine cannot be started:

- 1. Turn key to **0** in the ignition and remove.
- 2. Reinsert key in ignition switch.
- 3. Then repeat starting procedure.

If the control indicator @remains lit, try to start the engine using the spare key and consult a workshop. We recommend a Vauxhall Authorised Repairer.



If the control indicator flashes whilst the ignition is on &\(\) , there is a fault in the engine electronics. The engine cannot be started – see page 166.

Note

The immobiliser does not lock the doors. Therefore, after leaving the vehicle a lways lock it and switch on the anti-theft alarm system * – see pages 58, 63.

The Car Pass contains all of the vehicle's data and should therefore not be kept in the vehicle.

Have your Car Pass on hand when consulting a Vauxhall Authorised Repairer.



Radio frequency remote control

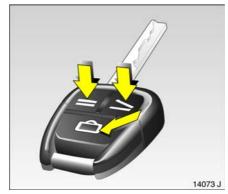
The radio frequency remote control is integrated in the key.

Used to operate

- central locking system,
- mechanical anti-theft locking system **,
- boot lid, tailgate,
- Vauxhall alam system ※.

Electric windows can be opened and closed *using the remote control unit. The electric sun roof *can be closed using the remote control unit.

The remote control has a range of approx. 3 metres. The range can be affected by external influences. Point the remote control at the vehicle when operating.



For your convenience, we recommend that the central locking system always be operated using the remote control unit.

Handle remote control with care, protect from moisture and high temperatures and avoid unnecessary operation.

Function check by brief illumination of hazard warning flashers.

Position memory on vehicles with electrically operated front seats *
When the vehicle is locked using the radio frequency remote control, the current position of the driver's seat and the exterior and interior mirrors are stored. Personal settings saved using various radio frequency remote controls can be retrieved as follows: open driver's door within one minute of unlocking and the positions stored using the radio frequency remote control are automatically set – see page 80.

Central locking system, see page 58.

Mechanical anti-theft locking system *, see page 58.

Boot lid or tailgate, see page 61.

Vauxhall alarm system *, see page 63.

Electric windows **, see page 120.

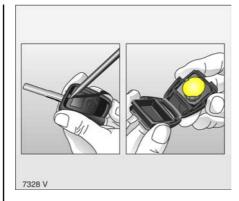
Electrically operated sun roof *, see page 123.

Fault

If the central locking system cannot be operated with the remote control, it may be due to the following:

- The range of the remote control has been exceeded.
- Remote control battery voltage too low, change batteries, see next column.
- Frequent, repeated operation of the remote control outside the reception range of the vehicle (e.g. too far from vehicle, remote control is then no longer recognised). To synchronise remote control, see next column.
- If the central locking system is overloaded as a result of repeated operation at short intervals, the power supply is cut off for approx. 30 seconds.
- Interference from higher-power radio waves from other sources.

For central locking system operation using key – see following pages. Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.



Changing the remote control battery Exchange the battery as soon as the range of the remote control starts to become reduced.

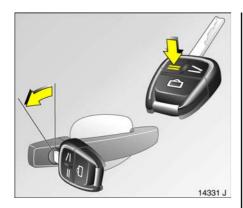
Insert a small screwdriver in the notch in the clip and lift. Pull the key part from the remote control.

The transponder for the immobiliser is in the front of the key. Make sure that it is not damaged or detached.

Open the remote control. Replace the battery, ensuring that it is inserted correctly (see page 275 regarding battery type). Close the remote control, insert it in the key part and make sure it audibly engages.

Make sure that you dispose of old batteries in accordance with environmental protection regulations.

After replacing batteries, synchronise remote control: unlocking door using key in lock – see next page. Insert key into ignition.



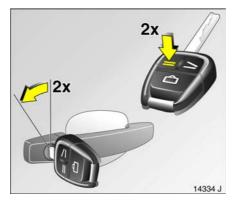
Central locking system

For doors, boot lid / tailgate and tank flap.

Locking

Press button = on remote control unit - or -

Turn key in driver's door lock towards rear of vehicle; then turn it back to the vertical position and remove. Alternatively, when locking from inside the vehicle, press the central locking switch a in one of the front doors * with the doors closed.



Securing with the mechanical anti-theft locking system *

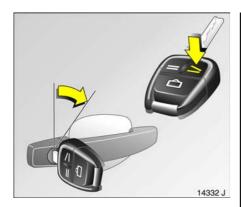
All doors must be closed. The driver's door must have been opened after the ignition was switched on. Within 10 seconds of locking, press button = on the remote control again

– or –

Turn key in driver's door lock towards rear of vehicle again within 10 seconds after locking, then turn it back to the vertical position and remove.

Lock buttons on all doors are positioned such that doors cannot be opened.

Do not use the system if there are people in the vehicle! The doors cannot be unlocked from inside.



To unlock:

To unlock only the driver's door:

Press button ➤ on remote control unit once

- or -

Turn key in driver's door lock once towards front of vehicle, then turn it back to the vertical position and remove.

Unlock entire vehicle

Press button ≥ on remote control unit twice

- or -

Turn key in driver's door lock towards front of vehicle twice; then turn it back to the vertical position and remove. Alternatively, when unlocking from the inside, press central locking switch from one of the front doors **.



Central locking switch for locking and unlocking the doors from inside the vehicle

Press button a on one of the front doors : the doors are locked or unlocked as appropriate.

When the mechanical anti-theft locking system is active – see page 58, the doors cannot be unlocked with this button.

Note

- If the driver's door is not closed properly, the central locking system will unlock again immediately after locking.
- 30 seconds after unlocking using the radio frequency remote control the doors automatically lock again if neither a door nor the luggage compartment has been opened.
- To lock the doors from within (e.g. to prevent undesired access from outside), press the central locking switch 🖨.
- Locked doors unlock a utomatically if an accident of a certain severity occurs (to permit outside assistance) – prerequisite: ignition must not be switched off.

Operation of windows and sun roof *

On vehicles with electronically operated windows, the windows can be opened and closed from outside: Hold down button \succeq or button \Longrightarrow on the remote control unit, or hold the key in the appropriate position in the door lock, until all windows are open or fully closed.

The sun roof can be closed from outside: Hold button = on the remote control depressed or hold the key in the appropriate position in the door lock until the sun roof is fully closed.

Care must be taken when operating the electric windows and the sun roof. There is a risk of injury, especially for children, and a danger that articles could become trap ped.

Vehicle passengers should be informed accordingly.

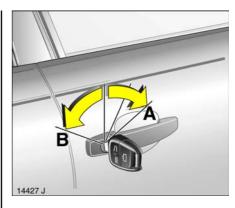
Keep a close watch on the windows and sun roof when closing them. Ensure that nothing becomes trapped in them as they move.

Overload

If the central locking system is overloaded as a result of repeated operation at short intervals, the power supply is cut off for approx. 30 seconds.

The system is protected by a fuse in the fusebox – see page 212.

For further information on windows and the sun roof – see pages 122, 124.



Malfunction in central locking system e.g. if vehicle battery is flat.

A = Unlock driver's door

Turn key forward in lock past resistance point as far as it will go. Turn key back to vertical position and remove.

B = Lock driver's door

With driver's door closed, turn key towards rear of vehicle until it will not move any further. Turn key back to vertical position and remove.

The other doors can be opened and closed by pulling or pushing the interior lock button (not possible if a nti-theft ala m system enabled before hand). Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.



Luggage compartment To unlock:

Press button \Box on remote control – or –

Press button \geq on remote control twice – or –

Turn key in driver's door lock forward twice, turn to vertical position and remove

Press button in driver or passenger side door *.

The lug gage compartment is unlocked and can be opened within 5 minutes. On the Saloon, this is done by pressing the button; on the estate car, by pulling the button under the handle.

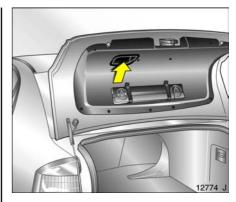


If the luggage compartment is not opened within 5 minutes, it is automatically locked again.

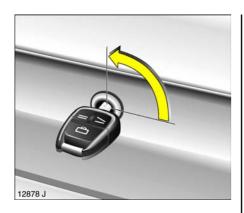
If the luggage compartment is unlocked the number plate lights come on and illuminate the area behind the vehicle.

If the luggage compartment has been unlocked and opened, it is automatically locked again 5 minutes after closing.

The luggage compartment is automatically locked when the speed reaches 2.5 mph (4 km/h).



There is a handle on the inside of the luggage compartment lid or tailgate for closing the luggage compartment.



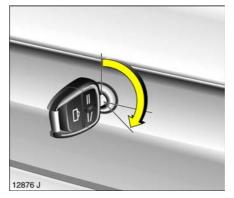
Boot lid, Saloon

The door central locking system cannot be locked or unlocked using the luggage compartment lock.

Key slot in lock in horizontal position
The lugga ge compartment can be locked and unlocked by operating the remote control or using the key in the driver's side

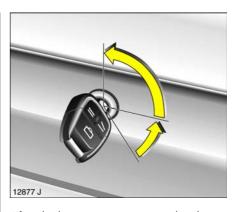
Key slot in lock in vertical position

The luggage compartment also remains locked after unlocking using the remote control or using the key in the driver's side lock. This position must be selected if the luggage compartment is to remain locked whenever this occurs.



Locking using key in luggage compartment lock

Turn key clock wise from vertical or horizontal position as far a sit will go. To guard against being locked out, the key cannot then be removed.



After the luggage compartment has been closed and the key turned back to the horizontal or vertical position, the luggage compartment is locked again.

Open luggage compartment

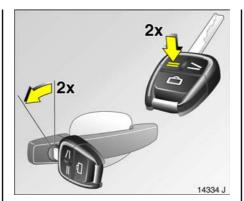
Do not drive with the luggage compartment open or ajar, e.g. when transporting bulky objects, since toxic exhaust gas could penetrate the interior.

Fitting accessories to the boot lid or tailgate will increase its weight. If it becomes too heavy, the boot lid or tailgate will then not stay open.

lock.

Vauxhall alarm system * monitors:

- the doors, luggage compartment, bonnet,
- the passenger compartment,
- vehicle tilt, e.g. if it is raised,
- the ignition.

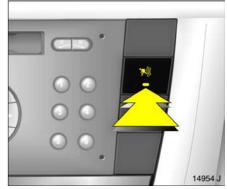


To activate:

All doors, windows and sun roof ***** must be closed; press button **=** on the remote control unit again within 10 seconds after locking

- or -

Turn key in driver's door lock towards rear of vehicle again within 10 seconds after locking, then turn it back to the vertical position and remove.



Switching system on excluding monitoring of the passenger compartment and the vehicle tilt e.g. if animals are to be left in the vehicle.

- 1. Close tailgate and bonnet.
- 2. Press button ¾. The LED in the button flashes (maximum 10 seconds) see next page.
- 3. Close doors.
- 4. Switch on anti-theft alarm system. LED lights up. After approx. 10 seconds the system is activated, without monitoring of the passenger compartment or vehicle tilt. LED flashes until system is switched off.

63



Light emitting diode (LED)

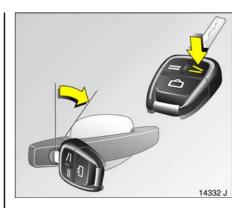
During the first 10 seconds of anti-theft alarm system activation:

- LED lights up = Test, switch-on delay
- LED flashes = Door, tailgate, bonnet open or system fault

After the first 10 seconds of anti-theft alarm system activation:

- LED flashes = System on
- LED lights up for approx. 1 second = Switch-off

If a system fault occurs, consult a workshop. We recommend a Vauxhall Authorised Repairer.



To deactivate:

Press button ≥ on remote control

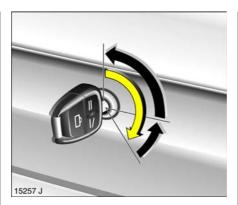
– or -

Turn key in driver's door lock towards front of vehicle, then turn it back to the vertical position and remove.



Opening and closing boot lid or tailgate using remote control unit button \triangle with anti-theft alarm system enabled

- Press button on remote control, luggage compartment is unlocked – see page 61, and passenger compartment and vehicle tilt is disabled.
- 2. Opening luggage compartment see page 61.
- After closing the luggage compartment the monitoring of the passenger compartment and vehicle tilt is enabled again after approx. 10 seconds.



Opening and closing the luggage compartment with the key in the luggage compartment lock *with anti-theft alarm system enabled

- Turn key clockwise as far as it will go: the luggage compartment is unlocked and monitoring of the passenger compartment and vehicle tilt is deactivated.
- 2. Opening luggage compartment see page 61.
- 3. Close luggage compartment.
- Turn key back to previous position: After approx. 10 seconds, monitoring of the passenger compartment, luggage compartment and vehicle tilt is resumed.

Ala rm

Only a certain number of a lams are allowed to be triggered while the anti-theft alarm system is switched on (this number is stipulated by law).

The alarm takes the form of:

- an acoustic signal (horn) and
- a visual signal (hazard warning lights).

The duration of the a larm signals is limited due to legal regulations.

Alarm can be cancelled by pressing a button on the remote control. The antitheft waming system is switched off at the same time by pressing the button \succeq .

Alarm siren with integrated battery *

The alarm siren monitors the on-board voltage network and triggers an alarm if this network is manipulated (e.g. if the vehicle's battery is disconnected by unauthorised persons). The alarmsiren has its own power supply and is therefore not dependent on the vehicles battery.

If the vehicle's battery is to be disconnected (e.g. for maintenance work), the alarm siren must be deactivated as follows: switch the ignition on then off, disconnect the vehicle's battery within 15 seconds.

To switch off alarm siren: Switch ignition on then off.



Universal radio frequency remote control in mirror housing *

To operate up to 3 different remotely operated systems (e.g. garage door, domestic alarm system, domestic exterior lighting).

The programmed universal radio frequency remote control can replace the individual remote control units of the systems to be operated. Three buttons on the underside of the mirror housing can be used to operate various systems.

Consult a Vauxhall Authorised Repairer for details on compatible systems.

Ensure that no persons, animals or objects are in the movement zone of the system to be operated (e.g. a garage door). Vehicle passengers should be informed of the hazards.

Basic programming of the universal radio control system

- 1. Switch on ignition.
- When programming for the first time, press both outer buttons under the mirror housing, until the control indicator along side the buttons flashes rapidly.
- 3. Hold the manual remote control unit at a distance of 0 to 30 cm from the control button area of the mirror housing.
- Press the button on the manual remote control unit while pressing and holding the desired button of the universal radio frequency remote control.
- 5. The control indicator in the mirror housing will flash slowly at first. As soon as it flashes rapidly, release both buttons. The universal radio control system is now programmed for the chosen system.
- 6. To programme other buttons with other systems, repeat steps 3 to 5.

If a system does not operate the device despite repeated programming and the control indicator briefly flashes rapidly and then shines with a steady glow for 2 seconds, the receiver may be fitted with a variable code system – see next page.

Programming the universal radio control system for variable code systems

- Perform basic programming see previous page.
- Activate synchronisation mode of system (see system manufacturer's system operating manual) and briefly press the pre-programmed button on the universal radio frequency remote control three times within 30 seconds.
- 3. The radio control system is now programmed for variable code systems. To programme other systems for variable codes, repeat the above procedure for the other buttons of the universal radio control system.

Using the universal radio control system With the ignition on, press the required universal radio control button, and the control indicator in the mirror housing will illuminate. The pre-programmed system can now be operated using the universal radio control system.

Reprogramming individual button settings

If a button that has already been programmed is to be used for a different system, simply repeat steps 3 to 5 of the basic programming procedure described previously.

Erasing all programmed button settingsBefore selling the vehicle, it is a good idea to erase button settings.

Button settings can only be erased as a unit. It is not possible to erase individual button settings. Buttons can, however, be individually reprogrammed (see "Reprogramming individual button settings").

In order to erase the programming of all 3 buttons, press both outer buttons and release as soon as the LED begins to flash (after approx. 20 seconds). All button settings have now been cleared and can be programmed anew at any time.

Note

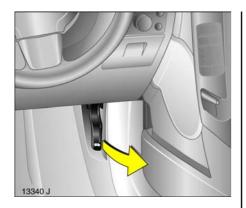
Retain the manual remote control in case reprogramming is required. It is also possible to continue using the manual remote control.

If a fter repeatedly performing the above steps a system fails to respond to the universal radio control, consult a workshop. We recommend that you consult a Vauxhall Authorised Repairer.

During programming, the vehicle should be within the range of the receiver. Under no circumstances should the vehicle be in the movement zone of a system (e.g. garage door).

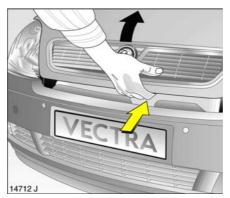
Do not programme systems which do not have an automatic safety stop (manufactured before 1982).

Take note of the system manufacturer's safety instructions for drives and manual remote control units.



Bonnet

To open the bonnet, pull the outer release lever \Rightarrow located below the instrument panel on the driver's side. The bonnet will then be unlocked and will partially open. Return the release lever to its original position.



There is a safety catch on the underside of the bonnet: lift this upwards and open the bonnet.

When the bonnet is opened, snow or dirt on the bonnet can slide down and obstruct the air intake. Air intake – see page 142.

The bonnet is held open automatically. To close the bonnet, lower it slowly and allow it to fall into the lock under its own weight.

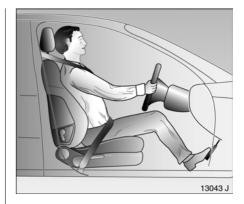
Check that the bonnet is locked in position by pulling at its front edge. If it is not engaged, repeat the procedure.

Seats, Interior

Adjusting the front seats see page 5.

Electrically adjustable front seats * see page 79.

Increasing luggage compartment size by folding down the front seats see page 82.



Seat position

Adjust driver's seat such that with the driver sitting upright the steering wheel is held in the area of its upper spokes with the driver's arms slightly bent.

Push passenger seat as far back as possible.

The seat backrests must not be tilted too far back (recommended tilting angle approx. 25°).

Important: Do not sit nearer than 10 inches (25cm) from the steering wheel, to permit safe airbag deployment.

Disregard can lead to injuries which could be fatal. Vehicle passengers should be informed accordingly.



Head restraint position

The middle of the head restraint should be at eye level. If this is not possible for extremely tall persons, set to highest position, and set to lowest position for small persons.

Disregard can lead to injuries which could be fatal. Vehicle passengers should be informed accordingly.

Setting – see page 7 and right hand column.

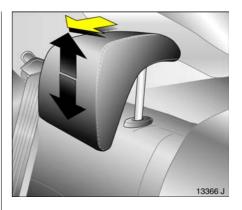


Head restraints

To remove head restraints: Release the two springs by pressing them and detach the head restraint.

Setting – see page 7.

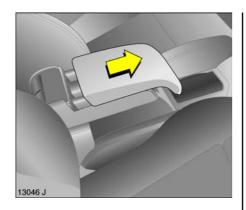
To enlarge the luggage compartment, push the head restraint all the way down – see page 7.



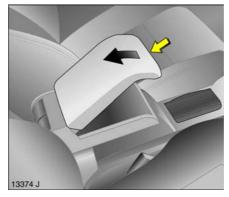
Rear head restraints, integrated in the rear seat backrest *

To adjust them, pull the head restraint forwards with both hands and at the same time adjust the height.

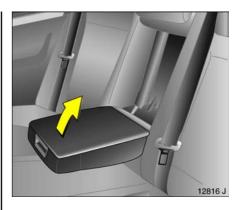
The head restraints can be moved to the lowest position to improve visibility where seats are unoccupied.



Armrest * between the front seats
The armrest can be pushed forward. If the armrest is not required, push it back and fold it up.



To open, slide the armrest back, press the button on the front and open.



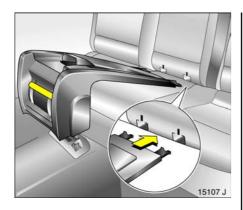
Rear seat armrest

The armrest can be folded down.

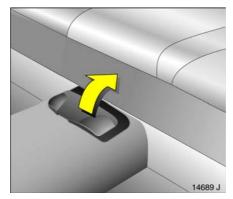
If the rear centre seat is being used or the rear seat backrests are being folded down, fold armrest upward.

To open, press the button on the front and open.

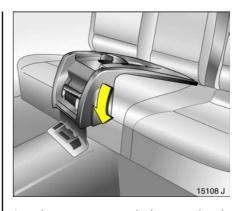
The maximum permitted load on the stowage compartment is 0.5 kg.



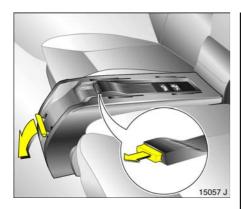
Travel Assistant *
Installing the Travel Assistant
Insert the two rear push-in sleeves into the marked recesses in the backrest and engage.



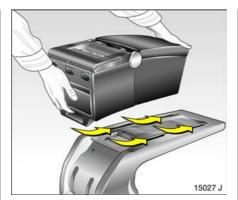
Swivel open and hold cover of front attachment points in floor in front of console.



S wivel connecting console downward and engage in attachment points.

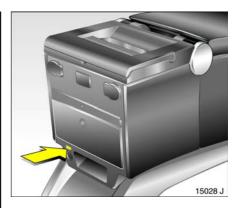


Swivel the locking lever downwards.



Check the locking position of the Travel Assistant: the red mark (see Fig. 15028 J) must not be visible. Otherwise, lock using the key – see page 77, Fig. 15037 J.

To lock, insert Travel Assistant into recesses in connecting console and slide back as far as possible.



If it is correctly locked, the red mark must no longer be visible in the window, otherwise the procedure must be repeated.

If it is not correctly locked, the Travel Assistant could be propelled forward with considerable force when hard braking occurs, risk of injury.



Drink holder and accessory socketsOpen the drink holder by pressing the marking.

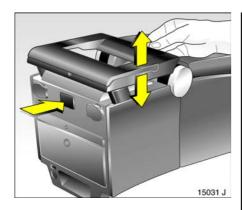
Only accessories with maximum power consumption of 120 Watts must be connected to the accessory sockets. For notes – see page 89.



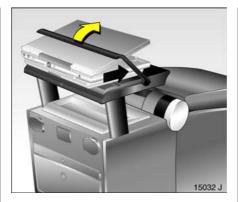
Stowage compartments

Open the lower stowage compartment by pressing the marking. The underside of the compartment has an opening through which the objects in the compartment can be raised.

The upper stowage compartment is located under the armrest. To open, press the button and fold the armrest upwards.



Connecting console for DVD player **
Pull connecting console upward, press button and slide downward.



Swivel up the display holder, slide DVD player display into bracket from below and fix in position with bracket.

Maximum load: 1 kg.

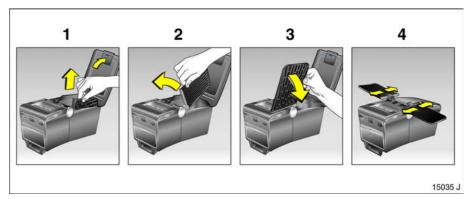


Electric cool box

To open, fold open the armrest together with the stowage compartment.



Switch on the cool box as needed.

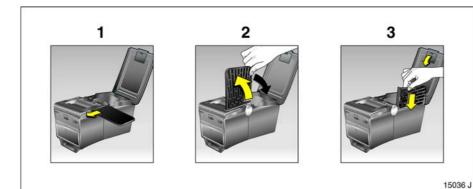


Tables

Fold arm rest upward (1).

Use recessed grip to pull table upward as far as it will go (1), swivel table forward (2) and fold downward (3).

Set required clearance by adjusting longitudinal position of table (4).

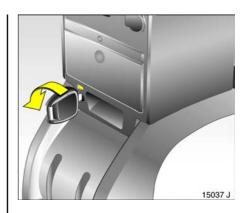


To fold away the table, swivel the armrest up.

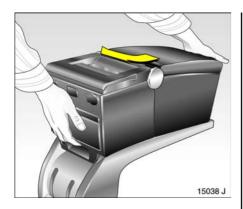
Push the table forward as far as it will go (1).

Fold the table upwards p ast the resistance point (2), swivel it downwards and insertin the Travel Assistant (3).

Swivel armrest down.

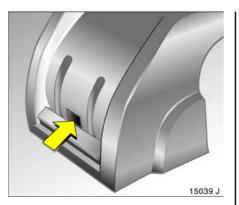


Removing the Travel AssistantOpen catch using key, red mark appears in window.

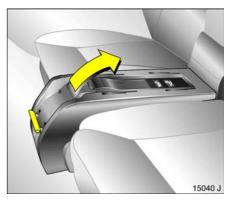


Pull the Travel Assistant to the front on the connecting console and remove.

Fit the protective cover $*$ on the plug.



Press the locking lever down, press the button on the front of the connecting console and swivel the locking lever upwards.



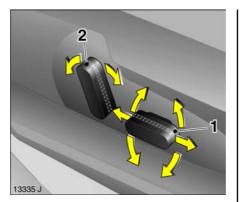
Swivel connecting console upward and pull out of recesses.

Electrically adjustable front seats *

Care must be taken when operating the electrically adjustable seats. There is a risk of injury, particularly for children, and a danger that articles could become trapped.

Keep a close watch on the seats when adjusting them.

Vehicle passengers should be informed accordingly.



Adjustment

The seat position can be adjusted by means of switches on the outboard side of the seats.

Adjusting the inclination

Move switch 1 upwards / downwards at front.

Adjusting the longitudinal position

Move switch 1 forwards/backwards.

Height adjustment

Move switch 1 upwards/downwards at rear.

Seat back adjustment

Turn switch 2 forwards / backwards.

Operate switch until desired seat position is reached. Seat position – see page 69.

After a djusting the seat, adjust height of seat belt – see page 98.



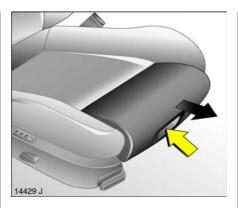
Electrically operated lumbar support * on driver's seat

Adjust lumbar support using four-way switch on outboard side of driver's seat.

Adjust lumb ar support to suit personal requirements.

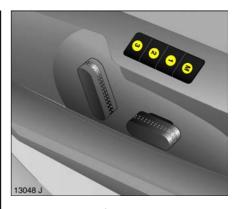
Moving support up and down: push button up or down.

Increasing and decreasing support: push button forward or backward.



Thigh support * on driver's seat
To adjust, lift handle at front and slide seat
padding.

Do not a djust the thigh support whilst driving.



Memory function * for electrically adjustable driver's seat, exterior mirrors and interior mirror

Three different seat and mirror settings can be stored (e.g. for three drivers).

Readiness for operation

- With ignition on,
- Within 10 minutes of switching ignition off,
- Within 10 minutes of opening or closing the driver's door,
- Within 10 minutes of inserting or removing the ignition key.

Readiness for operation stops when the vehicle is locked.

Storing settings

- 1. Adjust seat,
- 2. Adjust interior mirror see page 8,
- 3. Adjust exterior mirror see page 8,
- Press memory button M and the position button to be used (1, 2 or 3) simulta neously, and storage is acknowledged by an acoustic signal.

Retrieving settings

Keep position key 1, 2 or 3 pressed until the stored seat and mirror positions have been reached.

For reasons of safety, seat adjustment stops immediately if the position button is released or one of the setting buttons is operated.

Adjustments may only be performed with vehicle stationary.

Store and activate the settings using the remote controls

When the vehicle is locked with the radio frequency remote control, the current positions of the driver's seat, the exterior mirrors and the interior mirror are stored. Personal settings stored using different radio frequency remote controls can be retrieved as follows: open driver's door within one minute of unlocking and the positions stored using the radio frequency remote control are automatically set.

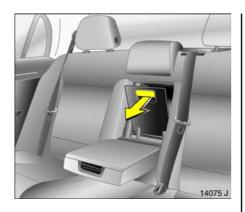
The seat adjusting procedure can be stopped immediately if required by operating a setting button.

Passenger mirror with parking aid see page 8.

Overload

If the seat setting is electrically overloaded, the power supply is automatically cut off for a short time.

The system is protected by a fuse in the fusebox – see page 212.



Luggage compartment extension
Fold down the cover behind the arm rest
Fold down the arm rest on to the seat
cushion, pull the handle and tilt the cover
forwards.

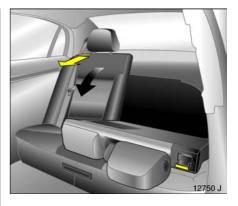
The outer seats can continue to be used for passengers.

Engage the cover behind the centre armrest audibly in position.



Cover behind armrest can be locked from luggage compartment *: turn handle 90°:

Locked = Handle horizontal Unlocked = Handle vertical



Folding down the rear seat backrests
Push the rear head restraints right down.

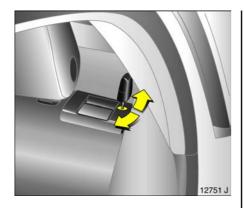
Place the belt buckles in storage pockets in the seat cushions.

Push front seats forwards a little.

Remove Travel Assistant \$ – see page 77.

Unlock one or both rear seat backrests by depressing pushbuttons and fold down on to seat cushion.

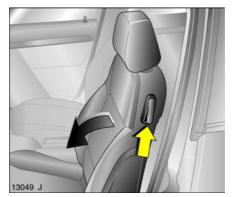
Return the air front seats to the desired positions.



When returning rear seat backrests to upright, they should audibly click into position.

The three-point seat belt for the centre rear seat can only be pulled out of the retractor if the rear seat backrests are properly locked into position.

On some versions, the rear seat backrests can be locked *: insert the key in the lock next to the pushbutton, turn 180° and remove – see figure.



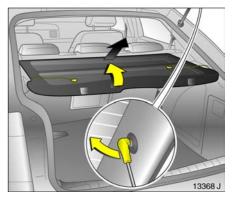
Folding down the front passenger seat *
Push head restraint on front passenger's
seat down as far as it will g o.

Slide back the front passenger seat.

Fold front passenger seat forward by raising release lever.

When returning front passenger seat backrest to upright, it should audibly click into position.

Notes on loading see page 88.

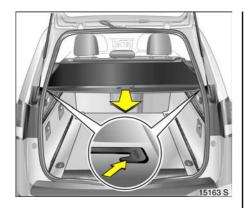


Luggage compartment cover *, 5-door Saloon (Hatch)

To remove, unhook the retaining straps from the tailgate.

Remove the cover from the side guides.

Fit in reverse order.



Luggage compartment cover *, Estate

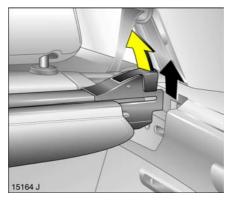
To close:

Pull luggage compartment cover towards rear of vehicle using handle and hook into side retainers.

Do not place any heavy or sharp-edged objects on the cover.

To open:

Remove luggage compartment cover from side brackets. It rolls up automatically.



Removing

Open luggage compartment cover.

Move release lever on right side of luggage compartment cover upward. Lift right cover and remove from brackets.

Fit ting

Fit the luggage compartment cover in the bracket on the left-hand side, fold up the release lever on the right-hand side, fit the luggage compartment cover in the bracket on the right-hand side and press the release lever closed.



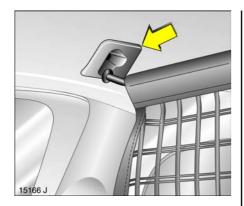
Safety net *, Estate

The safety net can be fitted behind the rear seats or, with the rear seat backrestfolded down, behind the front seats.

Fitting behind the rear seats

Remove the luggage compartment cover.

Fit the cassette with rolled safety net into the side brackets and engage by twisting.



Extend the net from the cassette. The roof frame houses two fitting openings. Fit the net rod in the fitting opening on one side and then the other and engage by pushing forward.

Fit the luggage compartment cover.

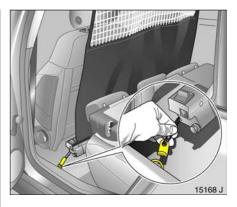


Removing

Remove the luggage compartment cover.

Detach the safety net rod from the brackets in the roof frame.

Slide both latches inwards; push the cassette with rolled net rearwards in the bracket, twist and remove upwards.



Fitting behind front seats

Fold both rear seat backrests. Place the rolled net on the floor behind the front seats in such a way that the cog rail in the slit on the net is to the rear.

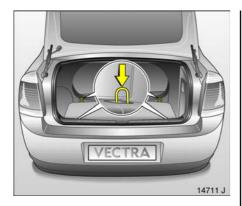
Pull each side hook from the cassette and attach it to an eye * in the vehicle floor.

Extend the net from the cassette. The roof frame houses two fitting openings. Fit the net rod in the fitting opening on one side and then the other and engage by pushing forward.

Removing

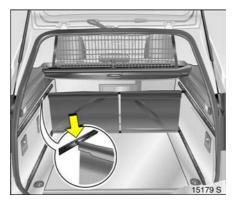
Detach the safety net rod from the brackets in the roof frame.

Undo the side hooks from the eyes * in the vehicle floor.



Lashing eyes

These enable loads to be secured in position in the luggage compartment using lashing straps * or a luggage net *.



FlexOrganizer *

Flexible system for dividing the luggage compartment or securing loads in an Estate.

The components are housed in a stowage compartment at the rear in the load floor – see page 92.

The system consists of

- variable partition net
- variable partition wall
- partition rod
- mesh pockets for the side walls
- hooks

The components can be mounted in the two guide rails in the side walls of the luggage compartment.



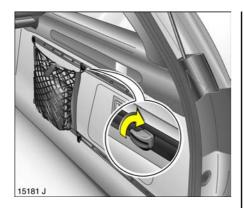
The figures show examples of possible uses.

Variable partition wall

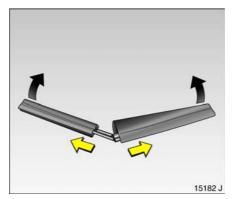
Fig. 15179 J. Press the rods of the partition wall together slightly and engage in the desired guide rail openings in the side walls. The rods can be engaged in various positions.

Variable partition net

Fig. 15180 J. Press the rods of the partition net tog ether slightly and engage in the desired guide rail openings in the side walls. The rods can be engaged in various positions. The partition net can be mounted vertically or horizontally at different levels.



Hooks and mesh pockets for the side walls Fig. 15181 J. Engage the hooks in the openings of the guide rails in the side walls as indicated in the figure and turn 90°. The mesh pockets can be hung from the hooks.



Removing

Press together the rods of the partition wall/net or the telescopic rods and remove from the guide rails. Turn the hooks 90° and remove.

FlexOrganizer stowage

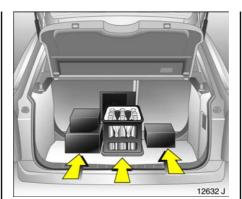
FlexOrganizer components are housed in a stowage compartment at the rear in the load floor. To open, raise the handle and open the flap – see page 92, Fig. 15171 J.



To stow, pull apart the partition wall / net rods as well as the separate telescopic rod in the middle and fold them in half. Roll the partition wall and net together and place it in the compartment with the other components. Close the cover.

Notes on loading the vehicle

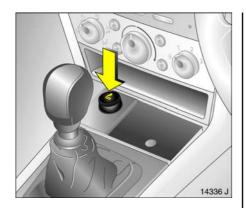
- Heavy objects in the lug gage compartment should be placed as far forward as possible against the engaged rear seat backrests or, if the rear seat backrests are folded down, against the front seat backrests. If objects are to be stacked, the heavier objects should be placed at the bottom. Unsecured objects in the luggage compartment would be thrown forward with great force in the event of heavy braking, for example.
- Secure heavy objects with lashing straps * attached to lashing eyes see page 86. If heavy loads slip when the vehicle is braked heavily or driven around a bend, the handling of the vehicle may change.
- Saloon: loose objects in the luggage compartment should be secured against slipping using a luggage net ※ see page 86.
- Estate: when transporting objects in the luggage compartment, fit a safety net * see page 84, or FlexOrganizer * see page 86.
- Estate: close the luggage compartment cover so there is no reflection in the rear wind ow



- If objects are being transported in the luggage compartment, the rear seat backrests must be locked in position—see page 82.
- Do not allow the load to protrude above the upper edge of the rear seat backrests, or above the upper edge of the front seat backrests if the rear seat backrests are folded down.
- The warning triangle * and first-aid kit * must always be freely a ccessible.

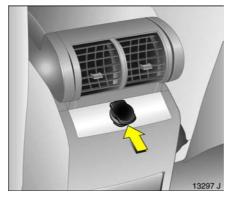
- Do not place any objects in front of the rear window or on the instrument panel. They are reflected in the glass, obstruct the driver's view and will be thrown through the vehicle, for instance in the event of heavy braking.
- Objects must not be stored in the airbag inflation area, because they could cause injury if the airbag inflates.
- Do not drive with the luggage compartment open, e.g. when transporting bulky objects, since toxic exhaust gas could penetrate the interior.
- Weights, payload and roof load see page 262.
- Driving with a roof load see pages 158, 161, 188, increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling owing to the vehicle's higher centre of gravity.

Disregarding the instructions can potentially lead to fatal injury. Vehicle passengers should be informed accordingly.



Cigarette lighter # *

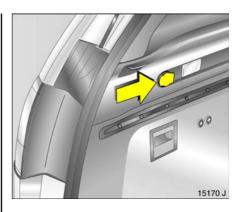
Press in cigarette lighter with ignition switched on. Switches off automatically once the element is glowing. Pull out lighter.



Accessory socket *

The socket in the centre console and the cigarette lighter socket can be used to connect electrical accessories. The sockets are ready for operation when the ignition is switched on. If the engine is not running the battery will be discharged. An additional accessory socket * can be found in the centre console beneath the rear air vents and in the Travel Assistant *.

Estates have an additional accessory socket to the left in the luggage compartment next to the luggage compartment lighting.



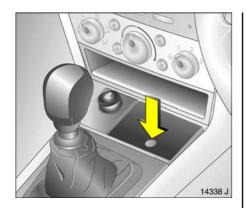
Do not damage the sockets by using unsuitable plugs.

The maximum power consumption of electrical accessories must not exceed 120 watts.

Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries

Electrical accessories connected to the socket must comply with the electromagnetic compatibility requirements laid down in DIN VDE 40 839, otherwise vehicle malfunctions may occur.

Accessory sockets in the Travel Assistant - see page 74.



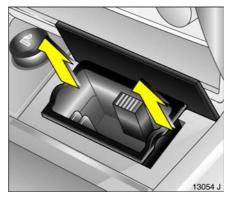
Ashtray

To be used only for ash and not for combustible rubbish.

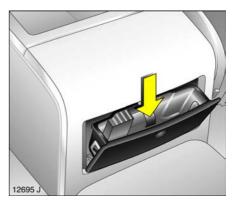
Disreg ard can lead to injuries which may be fatal. Vehicle passengers should be informed accordingly.

Ashtray, front

The cover opens when pressed at the point indicated.



To empty, grip both sides of the ashtray insert and pull upwards.

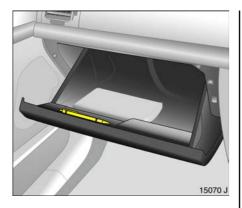


Rear a sht ray *

In the rear centre console.

The cover opens when pressed at the point indicated.

To empty: open the ashtray, press the spring (arrow) and pull out the ashtray.

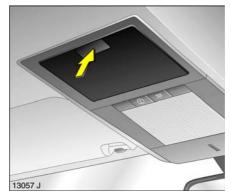


Glove compartment

To open, pull handle upwards.

At the front of the opened cover there is a pen holder.

Cooled glove compartment **¾** – see page 139.

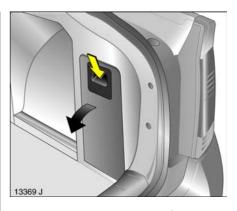


Stowage compartment in the roof lining $\boldsymbol{\divideontimes}$

To open, press the point indicated.

The maximum permitted load on the stowage compartment is 0.4 kg.

The stowage compartment must be closed whilst driving.



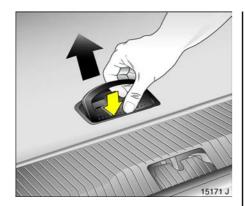
Stowage compartments in the luggage compartment

To access press down bar and open the cover.

Warning triangle \triangle * and first-aid kit \oplus * stowage – see page 204.

Stowing the spare wheel – see page 205.

Jack and vehicle tools stowage – see page 208.

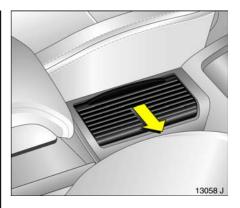


Estates have an additional stowage compartment in the luggage compartment floor.

To open, pull the release lever and open the flap.

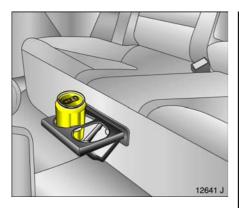


When opening, ensure that the flap opens at the seam so that the entire floor cover is not raised.



Drink holders, front *

The drink holders can be found between the front seats in the centre console: slide cover open.



Drinks holders, rear *

The drinks holder can be found beneath the centre seat: pressing front edge moves drink holder out.

Sun visors

Use the sun visor to protect from glare by pulling it down and swivelling it to the side.

Safety systems

Three-stage restraint system Comprising:

- three-point seat belts,
- belt tensioners at the front seats and the rear outer seats,
- airbag systems for driver, front passenger and outer rear seats **.

The three stages are a ctivated in sequence depending on the seriousness of the accident:

- The automatic seat belt locking devices prevent the belt strap from being pulled out and thus ensure that the vehicle occupants are retained in their seats.
- The front seat belt buckles and outer rear seats are pulled downwards. As a result, the seat belts are instantaneously tightened and the occupants are made aware of the deceleration of the vehicle at a very early stage. This reduces the stress placed on the body.
- The airbag systems are also triggered in the event of serious accidents and form a safety cushion for the occupants. Depending on the severity of the accident, the front airb ags inflate in two stages.

The airbag systems serve to supplement the three-point seat belts and belt tensioners. The seat belts must therefore always be worn. Disregard of these instructions may lead to injuries or endangerlife. Vehiclep assengers should be informed accordingly.

Be sure to read the accompanying description of the child restraint system!

Seat belts

Always wear your seat belt, and that means also in urban traffic and when you are a rear seat passenger. It can save your life!

Pregnant women must always wear a seat belt – see page 98.

In the event of an accident, persons not wearing seat belts endanger their fellow occupants and themselves.

Warning light ♣ for the seat belt – see page 35.

Seat belts are designed to be used by only one person at a time. They are not suitable for any one under 12 years of age or 150 cm.

For children up to 12 years of age we recommend the Vaux hall child restraint system – see page 110.



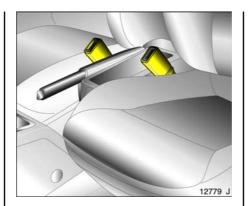
Three-point seat belts

The vehicle is equipped with three-point seat belts with automatic retractors and locking devices, allowing freedom of body movement although the spring-tensioned belts always ensure a snug fit. For seat position – see pages 69, 99.

The belt has a "vehicle sensitive retractor" which is designed to lock during heavy acceleration or deceleration in any direction.

Belt tensioners

The front seat belt and outer rear seat systems are equipped with belt tensioners. If a head-on or tail-end collision of a certain severity occurs, the belt buckles are pulled downward and the shoulder and lap belts are tightened in an instant.



Actuation of belt tensioners is indicated by illumination of control indicator \Re , see next page.

The belt tensioners must be replaced after activation. We recommend that you consult a Vauxhall Authorised Repairer.

If the seat belts are undamaged the operation thereof is unaffected, even if the belt tensioners have been triggered.

Further information – see page 99.



Control indicator **¾** for belt tensioners

The belt tensioners are monitored electronically together with the airb ag systems and their operational readiness is indicated on the instrument panel by control indicator \$\mathbb{x}\$. When the ignition is switched on, the control indicator lights up for approx. 4 seconds. If it does not light up, does not go off after 4 seconds, or lights up while driving, there is fault in the belt tensioner system or the airb ag systems – see page 105. The belt tensioners or airbag systems may fail to trigger in the event of an accident.

Have the cause of the fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

The system's integrated self-diagnostics allows faults to be quickly remedied. have Car Pass on hand when consulting a Vauxhall Authorised Repairer.

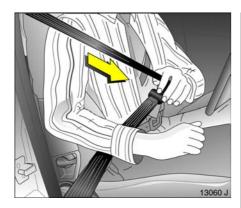
The control indicators can also be located in the tachometer display dial – see page 37.

Imp or tant

- Accessories and other objects must not be affixed or placed within the action zone of the belt tensioners as this may result in injury if the belt tensioners are triggered.
- Do not make any modifications to the components of the belt tensioners, as this will render the vehicle unroadworthy.

Improper handling (e.g. removal or installation) can activate the belt tensioners – risk of injury.

- The belt tensioner and airbag system control electronics can be found in the centre console area. In order to avoid malfunctions, do not store magnetic objects in this area.
- We recommend that you have the front seats removed by a Vauxhall Authorised Repairer.
- The belt tensioners only actuate once. Please replace belt tensioners that have been triggered. We recommend that you consult a Vauxhall Authorised Repairer.
- Applicable safety directives must always be observed when disposing of the vehicle. For this reason, disposal should be performed by an authorised recycling company. We recommend that you consult a Vauxhall Authorised Repairer.



Using the belts

Fitting seat belts

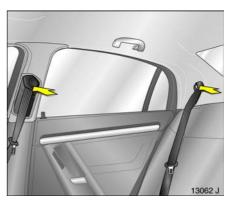
Pull the belt out of the retractor and guide it across the body, making certain that it is not twisted.

Insert the latch plate into the buckle. The front seat backrest must not be tilted back too far or the seat belt will not operate properly. The recommended angle of inclination is 25°. Make sure that the lap belt is not twisted and that it fits snugly across the body. Tension the belt frequently while driving by tugging the diagonal part of the belt.



On pregnant women in particular, the lap belt must be positioned as low as possible across the pelvis so as not to put too much pressure on the abdomen.

Bulky clothing prevents the belt from fitting properly. The belt must not rest against hard or fragile objects in the pockets of your clothing (e.g. ballpoint pens, keys, spectacles) because these could cause injury. Do not place any objects (e.g. handbags, mobile phones) between the belt and your body.



Height adjustment

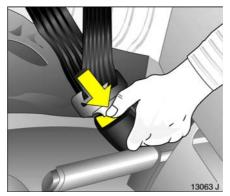
of seat belt upper anchorage point:

- 1. Pull belt out slightly.
- Front seat belts: Press button down or slide belt guide up.
 Rear seat belts: Press belt guide and slide it upwards or downwards.
- 3. Set desired height.
- 4. Allow anchorage to lock audibly into position.

Do not adjust height while driving.



Adjust height such that the belt passes over the wearer's shoulder and rests against the shoulder. It must not pass over the neck or upper arm.



Removing the belt

To remove the belt, depress the red pushbutton on the buckle; the belt will retract automatically.

Three-point seat belt on centre rear seat The belt can only be pulled out of the retractor if the back seat rests are engaged in their retainers – see page 82.

Testing the belts

Please check all parts of the belt system occasionally for damage and correct operation. Have damaged parts replaced. In case of an accident, please replace overstretched belts and triggered belt tensioners. We recommend consulting a Vauxhall Authorised Repairer.

Do not perform any alterations on the belts, their anchorages, the automatic retractors or the belt buckles.

Make sure that belts are not damaged or trapped by sharp-edged objects.

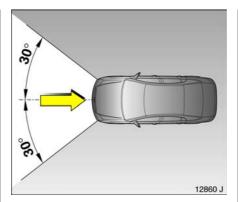


Vauxhall Full-Size airbag system Front airbag

The front air bag system is identified by the word **AIRBAG** on the steering wheel and above the glove compartment.

The front airbag system comprises:

- an airbag with inflator in the steering wheel and a second one in the instrument panel,
- the control electronics with impact sensor,
- the airbag systems control indicator ** in the instrument panel,
- \blacksquare seat occupancy recognition *,
- the control indicator for Vauxhall child restraint systems ** with transponders ** in the instrument panel.



The front airbag system will be triggered:

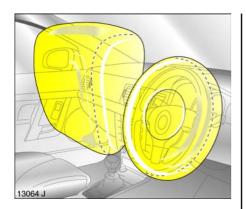
- depending on the severity of the accident,
- depending on the type of impact,
- within the range shown in the figure,
- independent of side airbag and curtain airbag system **.

Exception:

Passenger seat with seat occupancy recognition system *. The seat occupancy recognition system deactiva tes the passenger front and side airbags if the passenger seat is unoccupied or a Vauxhall child restraint system with transponders * has been fitted to the passenger seat. Seat occupancy recognition – see page 105. Vauxhall child restraint system with transponders * – see page 110.

Examples of events triggering the front airbag system:

- Impact against a non-yielding obstacle: the front airbags are triggered at low vehicle speed.
- Impact against a yielding obstacle (such as another vehicle): the front airbags are only triggered at a higher vehicle speed.



When triggered, the front airbags inflate in milliseconds to form a safety cushion for the driver and front passenger. The forward movement of the front seat occupants is checked, thereby substantially reducing the risk of injury to the upper body and head.

No impairment of view will occur, because the airbags inflate and deflate so quickly.



The front airbag system provides optimum protection when the seat, backrest and head restraint are correctly adjusted: Adjust the driver's seat according to the occupant's height such that with the driver sitting upright the steering wheel is held in the area of its upper spokes with the driver's arms slightly bent. The front passenger's seat should be as far back as possible, with the backrest upright—see pages 5, 6, 69. Do not place the head, body, hands or feet on the covers of the airbag systems.

Do not place any objects in the area in which the airbags inflate. Important information – see page 107.

The three-point seat belt must be correctly fitted – see page 98.



The front airbag system will not be triggered in the event of:

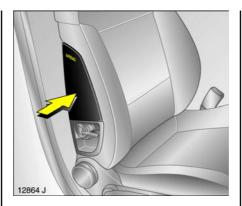
- the ignition being switched off,
- minor frontal collisions,
- accidents in which the vehicle overturns,
- collisions involving a side or rear impact, that is to say, if it would not be of benefit to the occupants.

Seat belts must therefore always be wom. The front airbag system serves to supplement the three-point seat belts. If you do not wear your seat belt you risk being seriously injured, or even thrown from the vehicle, in the event of an accident.

In the event of an accident the belt helps to keep you in the correct seating position, so that the front airbag system can provide you with effective protection.

In addition, the front airbag system will not be triggered for the front passenger in versions with seat occupancy recognition * if:

- the front passenger's seat is unoccupied,
- there is a properly fitted Vauxhall child restraint system with transponders *. Seat occupancy recognition see page 105. Vauxhall child restraint system with transponders * see page 110.

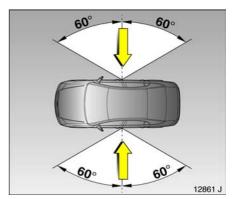


Side airbag *

The side airbag system is identified by the word **AIRBAG** on the outboard sides of the front seat backrests.

The side airbag system comprises:

- an airbag with inflator in the back of the driver's and front passenger's seat respectively,
- the control electronics,
- the side impact sensors,
- \blacksquare the airbag systems control indicator \Re in the instrument panel,
- \blacksquare seat occupancy recognition \$,

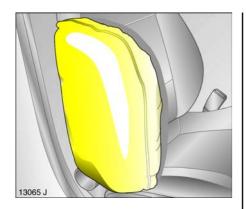


The side airbag system will be triggered:

- depending on severity of the accident,
- depending on the type of impact,
- within the range shown in the figure on the centre door pillar of the driver's or front passenger side,
- independently of the front airbag system.

Exception:

Passenger seat with seat occupancy recognition system *. Seat occupancy recognition system deactivates the passenger front and side airbags if the passenger seat is unoccupied or a Vauxhall child restraint system with transponders * has been fitted to the passenger seat. Seat occupancy recognition – see page 105. Vauxhall child restraint system with transponders * – see page 110.



When the side a irb ag is triggered it inflates within milliseconds and provides a safety barrier for the driver and/or passenger in the vicinity of the relevant front door. This reduces the risk of injury to the upper body considerably in case of a side impact.

There must be no objects in the area in which the airbag inflates or in the area between the seat backs and the vehicle body. Do not place the hands or arms on the covers of the airbag systems.

Important information – see page 107.

The three-point seat belt must always be correctly fitted – see page 98.

The side airbags will not be triggered in the event of

- the ignition being switched off,
- frontal collisions,
- accidents in which the vehicle overturns,
- lacksquare collisions involving a rear impact,
- collisions involving a side impact outside the passenger cell.

In addition, the side airbag system will not be triggered for the front passenger in versions with seat occupancy recognition * if

- the front passenger's seat is unoccupied,
- there is a properly fitted Vauxhall child restraint system with transponders *. Seat occupancy recognition see page 105. Vauxhall child restraint system with transponders * see page 110.

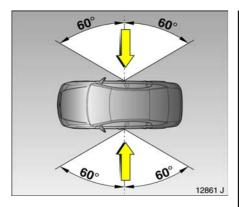


Curtain airbag *

The curtain airbag system is identified by the word AIRBAG on the roof pillar trim.

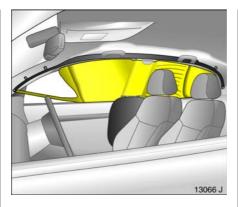
The curtain airbag system comprises

- an airbag with inflator in the roof frame on the driver's and front passenger's side respectively,
- the control electronics,
- the side impact sensors,
- the airbag systems control indicator ** in the instrument panel.



The curtain airbag system will be triggered

- depending on the severity of the accident,
- depending on the type of impact,
- within the range shown in the figure on the centre door pillar of the driver's or front passenger side,
- together with the side airbag system,
- irrespective of seat occupancy recognition,
- independently of the front airbag system.



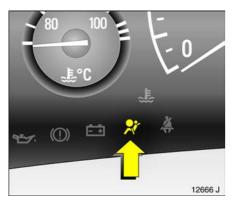
When the curtain airbag is triggered it inflates within milliseconds and provides a safety barrier in the head area on the respective side of the vehicle. This reduces the risk of injury to the head considerably in case of a side impact.

There must be no objects in the area in which the airbag inflates. Do not place the hands or arms on the covers of the airbag systems. Important information—see page 107.

The three-point seat belt must always be correctly fitted – see page 98.

The curtain airbags will not be triggered in the event of

- lacktriangle the ignition being switched off,
- frontal collisions,
- accidents in which the vehicle overturns,
- collisions involving a rear impact,
- collisions involving a side impact outside the passenger cell.



Control indicator ⋪ for airbag systems

The front airbag system, the side airbag system * and the curtain airbag system * are monitored electronically together with seat occupancy recognition * and the belt tensioners. Their operational readiness is shown by control indicator * in the instrument panel. When the ignition is switched on, the control indicator lights up for approx. 4 seconds. If it does not light up, does not go out after 4 seconds or lights up while driving, there is a fault in the airbag systems, seat occupancy recognition * or the belt tensioners – see page 96. The systems may fail to trigger in the event of an accident

Have the cause of the fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

The system's integrated self-diagnostics allows faults to be quickly remedied. have Car Pass on hand when consulting a Vauxhall Authorised Repairer.

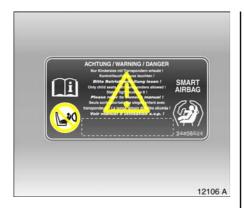
The control indicators can also be located in the tachometer display dial – see page 37.

Seat occupancy recognition *****

The seat occupancy recognition system deactivates the front and side airbags for the front passenger if the front passenger seat is not occupied or a Vauxhall child restraint system with transponders * is fitted on the front passenger seat. The curtain airbag system * remains activated.

The control indicator for seat occupancy recognition is located in the instrument panel. If this control indicator lights up for approx. 4 seconds after the ignition is switched on, the vehicle is equipped with seat occupancy recognition – see next page, Fig. 13068 J.

If a Vauxhall child restraint system with transponders * is installed, this warning light remains on after the ignition has been switched on as soon as the system has detected the seat. Only then can the child restraint system be used on the passenger seat.



Vehicles with seat occupancy recognition can be identified by the sticker on the side of the instrument panel, which is visible when the driver's door is open.

Vauxhall child restraint systems with transponders * are automatically detected if correctly fitted to the front passenger seat. When these child restraint systems are being used on the front passenger seat, the front and side airbag systems for the front passenger seat are deactivated. The curtain airbag system remains activated. Pay attention to seat occupancy recognition * control indicator – see page 106.



Only Vauxhall child restraint systems with transponders & can be fitted on the front passenger seats. Use of systems without transponders poses a risk of fatal injury.

Vauxhall child restraint systems with transponders * are identified by a sticker.

Control indicator & for Vauxhall child restraint systems with transponders * The presence of a Vauxhall child restraint system with transponders * is indicated after the ignition has been switched on by permanent illumination of the control indicator & in the instrument panel, as soon as the seat occupancy recognition system has detected the child restraint system.



If the control indicator does not illuminate whilst driving, the front and side airbag have not been deactivated on the passenger side. Risk of fatal injury to the child – fit child restraint system to rear seat. Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

If a child restraint system is incorrectly fitted or the transponders are faulty the control indicator will flash. Check that child restraint system has been fitted correctly. Fitting child restraint system with transponders * - see page 110.

If the control indicator does not illuminate with a correctly installed child restraint system there is a fault - risk of fatal injury to the child. Fit child restraint system to rear seat. Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

If no Vauxhall child restraint system with transponders * is installed the control indicator must neither illuminate nor flash, since the passenger side airbag systems would not actuate. have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

If the Vauxhall child restraint system with transponders *has been fitted according to the instructions, the control indicator for Vauxhall restraint systems with transponders must light up in the instrument panel when the ignition is switched on.

If the control indicator does not illuminate whilst driving, the airbag systems have not been deactivated on the passenger side. Risk offatal injury. In this case, fit child restraint system to rear seat. Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer.

Imp or tant

- Accessories and other objects must not be affixed or placed in the area in which the airbags inflate as they could cause injury if the airbags are triggered.
- Do not place any objects between the airbag systems and the vehicle occupants – risk of injury.
- Use the hooks in the roof frame only to hang up light articles of clothing or coat hangers. Do not place any objects in the pockets of the hanging items risk of injury.
- The airbag systems and belt tensioner control electronics can be found in the centre console area. In order to avoid malfunctions, do not store magnetic objects in this area.
- Do not stick anything on the steering wheel, instrument panel, front seat backrests or roof frame in the vicinity of the airbags, or on the front passenger's seat cushion, or cover any of those areas with other materials.
- Use only a dry cloth or interior cleaner to clean the steering wheel, instrument panel, front seat backrests, roof frame and seat cushion of the front passenger seat. Do not use any aggressive cleaning agents.

- Only protective covers which are approved for your vehicle with side airbag may be fitted on the front seats. When fitting the protective covers, make sure that the airbag units on the outboard sides of the front seat backrests are not covered.
- The airbag systems are triggered independently of each other based on the severity of the accident and the type of impact. The side airbag system * and the curtain airbag system * are triggered together.
- Each airbag can be triggered only once. Once triggered, an airbag must be replaced without delay. We recommend that you consult a Vauxhall Authorised Repairer.
- The speeds, directions of movement and deformation properties of the vehicles, and the properties of the obstacle concerned, determine the severity of the accident and triggering of the airbags. The degree of damage to your vehicle and the resulting repair costs alone are not indicative that the criteria for triggering of the airbags were met.

■ Do not perform any alterations on the components of the airbag system, as this would render the vehicle unroad-worthy.

The systems can be triggered abruptly and cause injury if they are handled improperly.

- We recommend having the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats removed by a Vauxhall Authorised Repairer.
- When disposing of the vehicle, please observe the applicable safety regulations. Please have the vehicle disposed of by a disposal company. We recommend that you consult a Vauxhall Authorised Repairer.

- Persons weighing less than 35 kg should only travel on the rear seats. This does not apply to children who are travelling in child restraint systems with transponders **.
- In vehicles with seat occupancy recognition **, do not place any heavy objects on the front passenger's seat otherwise the airbag systems for the front passenger's seat may be triggered in the event of an accident.
- In vehicles with seat occupancy recognition **, to prevent malfunctions do not use protective covers or seat cushions on the front passenger's seat.
- When using a Vauxhall child restraint system with transponders % on the front passenger's seat, in order to prevent malfunctions, no objects (e.g. plastic sheet, stickers or heated mats) may be placed under the child restraint system.

Child restraint systems as well as other heavy objects must never be carried on the lap of passengers; risk of fatal injury. If carried in this way, child restraint systems with transponders * in vehicles with seat occupancy recognition * could lead to front passenger airbag systems not being trig gered in the event of an accident.

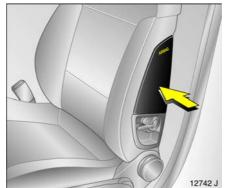


Use of child restraint systems % on the front passenger seat in vehicles with airbag systems %, but without seat occupancy recognition %

Vehicles with passenger airbag and no side airbag *: child seats facing the rear of the vehicle must not be fitted to the passenger seat, risk of fatal injury. Child seats facing the front (child safety seats for weight ranges I, II and III – see following pages) are permitted on the passenger seat, providing that it is pushed back as far as possible and the backrest has been adjusted so that the lap belt fits snugly.



A vehicle with front passenger airbag can be identified by the word **AIRBAG** above the glove compartment and by the sticker on the passenger side sun visor – see Fig. 12863 J. On some vehicles¹⁾ the warning sticker is located on the side of the instrument panel – see Fig. 11704 A.



Vehicles with side airbag *: No child restraint system * may be fitted on the front passenger's seat; risk of fatal injury.

A vehicle with side airbags can be identified by the word **AIRBAG** on the outboard sides of the front seat backrests.

Seat occupancy recognition * – see page 105.



Use of child restraint systems * on front passenger seat in vehicles with airbag systems * and with seat occupancy recognition *

Only Vauxhall child restraint systems with transponders * can be fitted on the front passenger seats. Use of systems without transponders poses a risk of fatal injury.

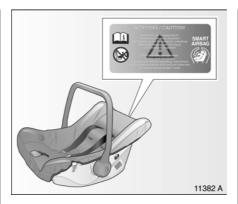
¹⁾ Country-specific version.



Seat occupancy recognition in a vehicle is indicated by the control indicator in the courtesy light. If this control indicator lights for approx. 4 seconds when the ignition is switched on, it indicates that the vehicle is equipped with seat occupancy recognition – see page 105.

Seat occupancy recognition in a vehicle is also indicated by a sticker on the side of the instrument panel, visible when the driver's door is open – see previous page, Fig. 12106 A.

The seat occupancy recognition system detects Vauxhall child restraint systems with transponders * and switches off the front and side airbag systems for the front passenger's seat. The curtain airbag system remains activated. Seat occupancy recognition – see page 105.



Vauxhall child restraint systems with transponders * can be identified by the sticker on the child restraint system.

Child restraint systems *

The Vauxhall child restraint system is designed specifically for your vehicle and thus provides optimum safety for your child in the event of impact. If a different child safety seat is used, follow the manufacturers' instructions for fitting and use.

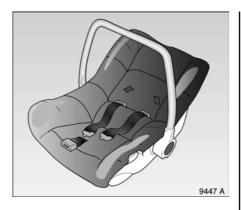
Selecting the right system

Your child should be transported facing backwards in the car as long as possible. It is appropriate to change the system when the child's head can no longer be properly supported at eye height. The child's cervical vertebrae are still very weak and in an accident they suffer less stress in the semi-prone backwards position than when sitting up right.

Permissible options for fitting a child safety seat

Weight and age class	Front passenger seat	Outer rear seats	Centre rear seat
0: up to 10 kg or approx. 10 months	B ¹ , +	U÷	U
0+: up to 13 kg or approx. 2 years	B ¹ , +	U+	U
l: 9 to 18 kg or approx. 8 months to 4 years	B ² , +	U+	U
II: 15 to 25 kg or approx. 3 to 7 years	B ²	U	U
III: 22 to 36 kg or approx. 6 to 12 years	B ²	U	U

- B¹ = provided: only with seat occupancy recognition and Vauxhall child safety systems with transponders
- B² = provided: no side airbag, if the front passenger seat is slid all the way back and seat height ***** is set to its highest position, or with seat occupancy recognition and Vauxhall child safety systems with transponders
- U = universally suitable in conjunction with three-point seat belt
- + = seat with ISO-FIX mounting available; only child safety systems approved for the vehicle may be used

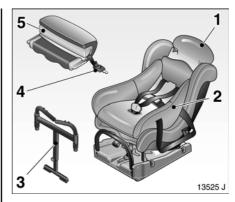


Vauxhall safety cradle without transponder From birth up to a weight of 10 kg.



Vauxhall safety cradle with transponders From birth up to a weight of 10 kg.

The transponders are integrated in the seat cushion.



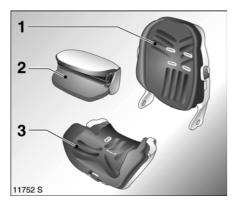
Vauxhall Top Safe child safety seat with or without ISO-FIX securing, with transponders

From birth up to a weight of 18 kg.

The transponders are integrated in the seat console.

Comprising:

- 1 Child seat,
- 2 Carrying cradle *,
- 3 Floor support **,
- 4 Seat belt **,
- **5** Safety support.



Vauxhall child safety seat without transponder From 9 ka¹⁾ to 36 ka.

Comprising:

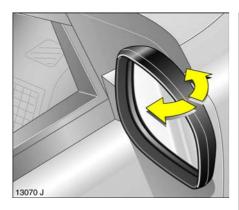
- Seat backrest,
- 2 Safety support,
- 3 Seat cushion.

Note

- Children under 12 years or under 150 cm tall should only travel in an appropriate child safety seat.
- When transporting children, use the child restraint systems suitable for the child's weight.
- Ensure that the child restraint system is fitted correctly.
- The covers of the safety cradle and safety seat can be wiped clean.
- Do not stick anything on the child restraint systems and do not cover them with any other materials.

- Only a llow the child to enter and exit on the side of the vehicle facing away from the road.
- A child restraint system which has been subjected to stress in an accident must be replaced.
- You should also observe the instructions on installation and use supplied with the child restraint system.

Use of the system is not recommended for children weighing less than 11 kg.



Exterior mirrors

For the safety of pedestrians, the exterior mirrors will swing out of their normal mounting position if they are bumped with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

Aspherical exterior mirror *

increases the field of view. Estimating the distance away of vehicles following you is only possible to a limited extent because of slight distortion.



Automatic anti-dazzle interior mirror * and exterior mirror * on the driver's side

Dazzle at night is automatically reduced.

For vehicles with position memory for electrically operated front seats * the sensor is in the top right-hand side of the mirror.

The mirrors do not dip to prevent dazzle if:

- the ignition is switched off,
- reverse gear is engaged or selector lever set to **R**,
- the interior lights are on,
- a door is open.

Adjusting interior and exterior mirrors – see page 8.

Automatically regulated centre console lighting – see page 118.

Head restraints

Do not attach objects or components that are not approved for your vehicle to the head restraints. These affect the protective effect of the head restraints and can be propelled through the vehicle in an uncontrolled manner if the driver brakes hard or an accident occurs.

Safety accessories *

The wide range of Vauxhall accessories allows you to equip your vehicle in accordance with your own wishes. In addition to safety accessories, items for improving comfort and a complete range of vehicle care products you will find many articles which will be of great value to you when needed.

"Genuine Vauxhall Parts and Accessories" guarantee high quality and an accurate fit.

A Vauxhall Authorised Repairer will be happy to advise you, for example with regard to:

- Vauxhall child restraint systems,
- Tow ropes,
- Tow rods,
- Jump leads,
- Sp are bulb kit,
- Sp are fuse kit,
- Halogen fog lights,
- Mudflaps,
- Magnetic light,
- Warning triangle,
- First-aid kit,
- First-aid kit (cushion).

Lighting



Exterior lights

Turn light switch:

0 = Off

⇒ = Parking lights

■D = Dipped or main beam

Dipped beam, main beam and head light flash – see pages 16, 17.

In positions $\gg \in$ and $\not\equiv D$, the tail lights and number plate lights are also lit.

Vehicles with daytime running lights *: With the ignition on and the light switch on **0**, dipped beam without instrument illumination is on

Driving abroad – see page 119.

Turn signal lights, hazard warning lights, parking lights, door-to-door lighting

se e p ages 16, 17.



Front fog lights ₺ ¥

On = Press #D

Off = Press \$D again

or switch ignition off

Control indicator \$\psi\$ in instrument panel.

Fog tail light 0\ddf

On = Press O#

Off =

Press 0‡ again

or switch ignition off

Control indicator O\(\pi\) in instrument panel.

The fog tail lights on the vehicle are deactivated when towing a caravan / trailer.



Instrument illumination ∅, Information display illumination

Brightness can be adjusted when the exterior lights are on: Push to release the knob and then tum it clockwise or anticlockwise and hold until the desired brightness is obtained.

Headlight range adjustment ₺

Manual headlight range adjustment * With dipped beam switched on, adjust head light range in four steps to suit vehicle load. Turn wheel against resistance and click it to the required position.

Correct adjustment of the headlight range reduces dazzle for other road users.

Automatic Level Control System – see page 179.



<u>Vehicles without headlight range</u> adjustment

- \blacksquare Front seats occupied = 0
- All seats occupied = 1
- All seats occupied and luggage compartment = 2
- Driver's seat occupied and luggage compartment = 3

Vehicles with headlight range adjustment

- Front seats occupied =
- All seats occupied = 0
- All seats occupied and luggage compartment load = 0
- Driver's seat occupied and luggage compartment load =



Automatic headlight range adjustment * Controls the headlight range in vehicles with xenon headlight systems. If the control indicator * illuminates in the tachometer dial display whilst driving, a fault has occurred. Have cause of fault remedied immediately. We recommend that you consult a Vauxhall Authorised Repairer.

Adaptive Forward Lighting (AFL) *

On vehicles with Bi-Xenon headlights, improves illumination of

- curves (curve lighting),
- intersections and tight turns (turn lighting).

Curve lighting

The Xenon light beam pivots based on steering wheel position and speed (from approx. 6 mph / 10 km/h).

The headlights shine at an angle of up to 15° to the right or left of the direction of travel.

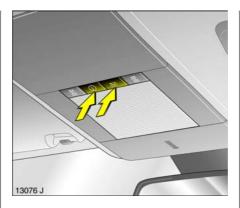
Turn lighting

An additional light is switched on based on steering wheel position (when turned past approx. 90°), turn signal use and speed (up to approx. 25 mph / 40 km/h).

The light shines at an angle from approx. 90° to the left or right of the vehicle up to a distance of approx. 30 metres.

Reversing lights

Come on when reverse gear is engaged and ignition is switched on.



Front courtesy light

When the door is closed, the courtesy light switches off after a slight delay.

Courtesy light when doors are closed:

On = Press button ①

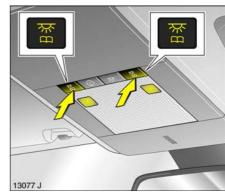
Off = Press button ① again

The courtesy light can be deactivated * using button \overline{M} .

Automatically regulated centre console lighting *

Spotlight in housing of interior mirror.

Daylight-dependent, automatically regulated centre console lighting with ignition switched on.

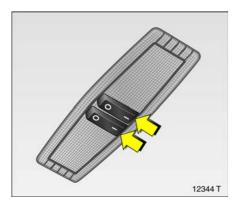


Front reading lights*

Reading lights at left and right individually operable. With ignition tumed on:

On = Press button ত্

Off = Press button 番again



Courtesy lights and rear reading lights *

Οn

= Switch setting 1

Light comes on when a door

= Centre switch setting

Off

is opened

= Switch setting 0

Glove compartment lighting

Glove compartment is illuminated when lid is open and ignition on.

Illuminated mirror in the sun visors *

The lighting switches on when the cover is opened.

Cigarette lighter and ashtray illumination *

Lights up when ignition is switched on.

Luggage compartment lighting * Comes on when the boot lid / tailgate is opened.

Safeguarding the battery

To prevent the battery from becoming discharged, the courtesy light, reading lights, luggage compartment lighting and glove compartment lighting switch off automatically 20 minutes after the ignition is switched off.

Headlights when driving abroad

The asymmetrical dipped beam increases the field of vision on the passenger side of the lane.

This causes glare for oncoming traffic if the vehicle is driven in countries where traffic drives on the opposite side of the road.

Do as follows to prevent glare:

Vehicles without

Adaptive Forward Lighting (AFL) *
Place covers on both headlights. We
recommend that you consult a Vauxhall
Authorised Repairer.

Vehicles with

Adaptive Forward Lighting (AFL) *

- Open and remove the cover of the fuseb ox in the engine compartment – see page 216.
- Fit fuse (maxi-fuse) * (with designation "Transport") in slot 38. Fuse positions see page 214.
- 3. Switch on ignition.

After the conversion, the AFL control indicator lights for 4 seconds each time the ignition is switched on.

Control indicator – see page 36.

Windows, sun roof

Care must be taken when operating the electric windows * and electric sun roof *. There is a risk of injury, particularly for children, and a danger that articles could become trapped.

Vehicle passengers should be informed accordingly.

If there are children on the rear seat, switch on the child safety system * for the electric windows

Keep a close watch on the windows and sun roof when closing them. Ensure that nothing becomes trapped in them as they move.

Electric windows *

The electric windows can be used

- with ignition on,
- within 10 minutes of switching ignition off,
- within 10 minutes of opening or closing the driver's door,
- within 10 minutes of inserting or removing the ignition key.

Readiness for operation stops when the vehicle is locked.



Two rocker buttons. Operation via 2 rocker buttons in the driver's door. Additional rocker buttons located in the front passenger door and the rear doors *.

To operate window in stages, tap switch. For automatic opening or closing, keep switch pressed for slightly longer; to stop window movement, tap switch again.



Vehicles with rear * electric windows have a slide switch between the switches in the driver's door.

- Up: The front windows can be operated using the buttons,
- Down: The rear windows can be operated using the buttons.

Protective function

If the window glass encounters resistance above the middle of the window during automatic closing, it is immediately stopped and the window opened again.

If the windows do not move easily (e.g. on account of frost), keep pressing the switch for the window in question until the window has been closed in stages.



Child safety system for rear windows ***** Switch **■** in the driver's door

- Press (switch 🗷 lit red): Buttons in the rear doors inoperable.
- Press again (switch 🗷 no longer lit red): Buttons in the rear doors operable.

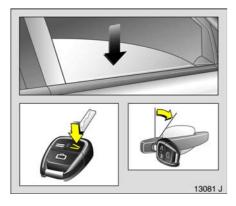
Automatic closing *

If the rain sensor * detects water with the mechanical anti-theft locking system activated, all electronic windows are closed. The windows are also automatically closed after four hours.

Interruption of power supply

Automatic opening and closing of the windows is not possible after interruption of the power supply or a drop in battery voltage. Activate the window electronics as follows:

- 1. Close doors.
- 2. Switch on ignition.
- 3. Open windows completely.
- 4. Close window and press on button for at least 3 seconds.
- 5. Repeat for each window.



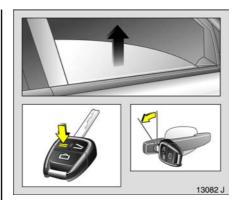
Operating windows from outside

The windows can be opened and closed using the radio frequency remote control.

To open:

Press button ≥ until windows are open
– or –

Hold key in driver's door lock in the door locking position until windows are open.



To close:

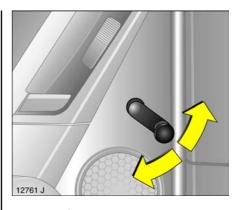
Press button = until windows are closed – or –

Hold key in driver's door lock in the door locking position until windows are closed.

Overload

If the system is overloaded, the power supply is automatically cut off for a short time.

The system is protected by fuses in the fusebox – see page 212.



Rear windows

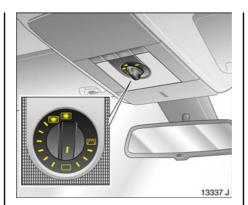
Can be operated using the window winder *.

Sun roof *

The electric sun roof can be operated

- with ignition on,
- within 10 minutes of switching ignition off,
- within 10 minutes of opening or closing the driver's door,
- within 10 minutes of inserting or removing the ignition key.

Readiness for operation stops when the vehicle is locked.



Operated using the rotary switch between the sun visors.

To open:

Turn the rotary switch to any position between and . The sun roof will automatically move to the desired position. When the switch is in position , the sun roof is fully opened.

Comfort position

Set rotary switch to position \blacksquare . With the roof in this position, wind noise is reduced.

To close:

Turn rotary switch to \square .

To raise

Turn the rotary switch to any position between \square and \square . The sun roof will automatically move to the desired position. When the switch is in position \square , the sun roof is fully raised.

To lower

Turn rotary switch to \square .

Position memory

After the ignition has been switched on, the sun roof can be automatically returned to its last position by briefly pressing the rotary switch.

Protective function

If the sun roof encounters resistance during automatic closing, it is immediately stopped and opened again, as long as the vehicle is stationary.

If, when the vehicle is being driven, the sun roof encounters resistance during automatic closing, because of the higher closing forces involved the protective function cannot be guaranteed, and there is a risk of injury.

If the sun roof movement is stiff, e.g. due to frost, turn rotary switch to \square and keep it pressed until the sun roof is closed.

Automatic closing *

If the rain sensor * detects water with the mechanical anti-theft locking system activated, the sun roof is closed. The sun roof is also automatically closed after four hours.

Sun shade

The sun shade can be opened and closed with the sun roof either closed or raised.

When the sun roof is opened, the sun shade is also opened.



Closing sun roof from outside

Closing sun roof using radio frequency remote control: press = button and hold until sun roof is closed,

– or –

Turn key in driver's side door lock to rear and hold until sun roof has closed.

If the windows are to be closed from outside the vehicle, but the sun roof is to be left open, briefly press the rotary switch before switching off the ignition.

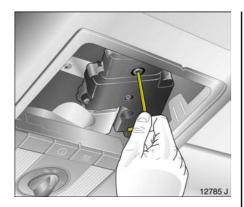
Interruption of power supply

After interruption of the power supply or a drop in battery voltage the desired sun roof position is no longer set a utomatically. The electronics of the sun roof must be reprogrammed as follows:

- 1. Switch on ignition.
- Press the rotary switch until the sun roof is shut, then keep it pressed for at least a further 3 seconds.
- 3. Turn rotary switch to **x** and keep it depressed until the sun roof is open.
- 4. Turn rotary switch to \square and keep it depressed until the sun roof is closed.
- 5. Turn rotary switch to \square and leave there until the sun roof is fully extended.
- 6. Turn rotary switch to \square and keep it depressed until the sun roof is closed.

Overload

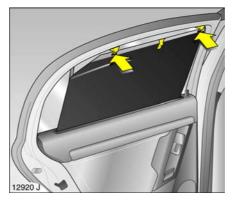
If the system is overloaded, the power supply is automatically cut off for a short time.



Fault

If the electric drive fails, the system is protected by a fuse in the fusebox - see page 212. Until the fault is remedied, operate the sun roof as follows:

Disengage drive cover with a screwdriver and remove. Take Allen key from drive cover, insert in sun roof drive and turn until sun roof is closed.



Roller blinds at rear side windows *Pull the blind upwards using the grip and engage it at the top in the door frame.



Electrically operated rear window blind *****

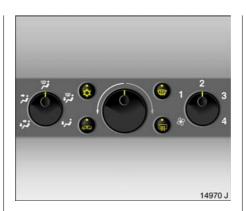
Reduces intensity of sunlight shining on to rear seats. Operational with ignition switched on.

To raise = Press ♣ again

Do not operate blind if there are objects lying in front of the rear window.

Climate control

Depending on how the vehicle is equipped, the climate will be controlled by a heating and ventilation system with optional air conditioning system * or by an electronic air conditioning system *.



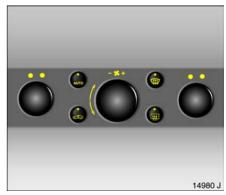
Heating and ventilation system with optional air conditioning system *

Ventilation, heating and cooling * are combined into one unit that is designed to provide comfort regardless of the season, weather or outside temperature.

When cooling **%** is activated, the air is cooled and dried.

The heating unit heats the air as required in all operating modes depending on the position of the temperature switch. The air supply can be adjusted to suit requirements by means of the fan.

The version without air conditioning system ¾ does not have buttons for cooling ∜, air recirculation ← or demisting and defrosting ∰.



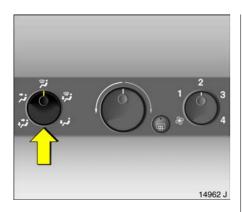
Electronic air conditioning system *

The electronic air conditioning system provides maximum comfort under any weather conditions, at any outside temperature and at all times of the year.

To ensure a constant and comfortable climate in the vehicle, the temperature of the inflowing air, the air-flow rate and the air distribution are changed automatically according to climatic conditions outside the vehicle.

Settings are shown on the information display.

Electronic air conditioning system – see page 134.

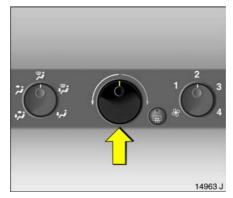


Heater controls

Left-hand rotary switch: Air distribution

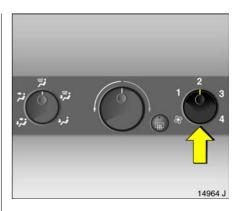
- to head area above adjustable air vents and to footwell
- to headroom via adjustable air vents
- to the windscreen and front door windows
- to the windscreen, front door windows to footwell
- **₩** to footwell

Open the air vents when the switch is set to $\overset{\iota}{\sim}$ or $\overset{\iota}{\sim}$.



Centre rotary switch: Temperature

red zone = warm blue zone = cold



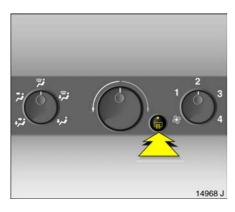
$\textbf{Rig}\,\textbf{ht}\textbf{-hand}\,\textbf{rot}\,\textbf{ary}\,\textbf{switch}\textbf{:}\,\textbf{Air}\,\,\textbf{flow}$

Four fan speeds:

% Off

4 Maximum air flow

The rate of air flow is determined by the fan. The fan should therefore also be switched on during a journey.



Heated rear window, heated exterior mirrors *

Operation with ignition switched on:

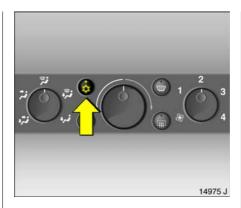
On = Press 🖽

Off = Press III again

Control indicator in pushbutton.

Heating operational only with engine running.

The heating is switched off automatically after approx. 15 minutes.

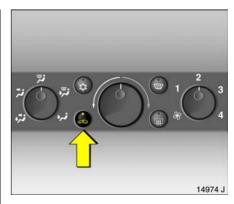


Air conditioning system * Cooling *

Button is is used to activate the cooling system (cooling compressor) in the air conditioning system (control indicator). The cooling system (cooling compressor) is only operational when the engine is running.

When the cooling unit (cooling compressor) is on, the air is cooled and dehumidified. Switch off the cooling to conserve fuel whenever cooling or drying is not required.

At low outside temperatures the cooling unit (cooling compressor) switches off automatically.



Air recirculation system €

Air recirculation button S is used to switch the air conditioning system to air recirculation mode (control indicator).

If fumes or unpleasant odours penetrate from outside: temporarily switch on air recirculation system &.

The air recirculation system minimises the entry of outside air. The humidity increases, and the windows can mist up. The quality of the passenger compartment air deteriorates which may cause the vehicle occupants to feel drowsy.

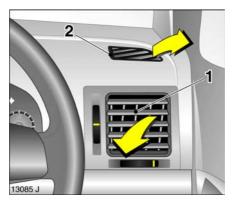
Air distribution to **3**: air recirculation system is a utomatically switched off to speed up demisting of windows.



Centre and side air vents (1)

Pleasant ventilation to the head area controlled by the position of the temperature switch.

To open air vents: Turn vertical adjuster wheel upwards. The air flow can be directed as desired by adjusting the horizontal and vertical adjustment wheels.



To close the vents turn the adjustment wheel fully downwards.

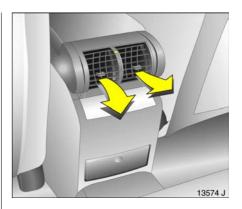
To increase the air supply, set the fan to a higher speed and set the air distribution switch to \mathbf{z} .

Windscreen defroster nozzles (2)

Air distribution switch to **3** or **3**: air flows onto windscreen and side wind ows.

Additional vents

Located in front of the windscreen, in front of the door windows and in the footwells.



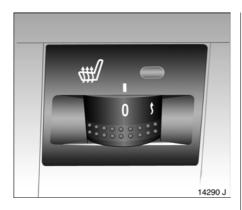
Rear air vents *

The air flow can be adjusted using the adjuster wheel. Turn adjuster wheel upwards: Vents will be fully opened.

To close the vents turn the vertical adjustment wheel fully downwards.

The air flow can be directed as desired by tilting and swivelling the slats.

To increase the air supply, set the fan to a higher speed and set the air distribution switch to $\cancel{>}$.



Heated front seats *

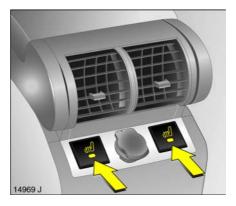
Two knurled wheels beneath the centre air vent for the left and right-hand seats.

Turn relevant wheel to set required heating level.

Control indica tor above adjustment wheel.

To switch off, set wheel to **0**.

Heating only with ignition switched on.



Heated rear seats *

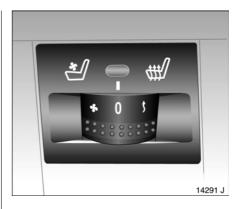
Two pushbuttons at rear of centre console in front of the rear seats.

After switching ignition on, press # button again to heat outboard seats.

On = Press ₩

Off = Press ₩ again

Control indicators in pushbuttons.



Driver's seat with climate control *

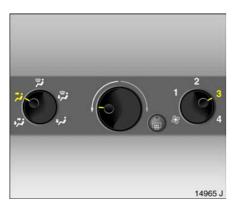
Knurled wheel at driver's side below centre air vents.

Move knurled wheel to required ventilation or heating setting as per requirements.

Control indicator above adjustment wheel.

To switch off, set wheel to **0**.

Function only available with ignition switched on.



Ventilation

- For maximum ventilation in head area: set air distribution switch to → and open all vents.
- For ventilation to footwell: set air distribution switch to IJ.
- For simultaneous ventilation to the head area and the footwell: set air distribution switch to 🌣.
- Set the temperature to the desired setting.
- Set the fan to the desired setting.

Heating

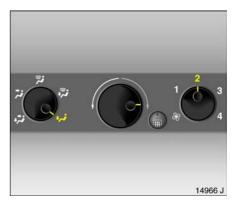
The amount of heat is dependent on the engine temperature and is thus not fully attained until the engine is warm.

For rapid warming of the passenger compartment:

- Set the air distribution switch to the desired position see page 127.
- Set the temperature switch in the red zone.
- \blacksquare Set the fan to speed 3.

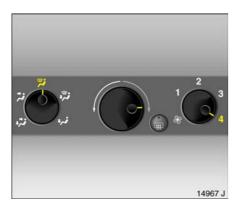
The comfort and general well-being of the vehicle occupants are to a large extent dependent on a suitable ventilation and heating setting.

To obtain a stratification of temperature in the vehicle with the pleasant effect "cool head and warm feet", set the air distribution switch to $\mbox{$\mbox{$$\omega$}}$ or $\mbox{$\mbox{$\mbox{$$\omega$}}$ and the temperature switch to the mid position, and open the centre air vents.



Heating the footwell

- \blacksquare Set air distribution switch to \checkmark .
- Set the temperature switch in the red zone.
- Switch on fan.



Window demisting and defrosting

Disreg ard of the settings described can cause the windows to become misted up which can lead to accidents due to lack of proper vision.

- Move air distribution switch to 🖼.
- Turn the temperature switch as far into the red zone as possible.
- Set fan to 3 or 4.
- Open side air vents as required and direct them towards door windows.
- Switch on heated rear window.

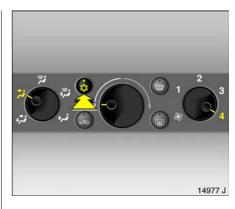
For simultaneous warming of the footwell, set air distribution switch to 3.



Operation of the system * Comfort setting

- Cooling 🌣 as required.
- Air recirculation system 🖘 off.
- Set air distribution switch to ** or ***.
- Temperature switch: as required.
- Fan: as required.
- Open vents as required.

Temperature switch in centre of adjustment range: warmer air will flow into the footwell and cooler air into the upper zone, with warmer air coming from the side air vents and cooler air from the centre vents.



Maximum cooling

Open windows and sun roof * briefly so that warm air can escape rapidly.

- Cooling ‡ on.
- Set air distribution switch to ⋨.
- Turn the temperature switch as far into the blue zone (cold) as possible.
- Set fan to 4.
- Open all vents.

The system will switch automatically to recirculation mode.



Window demisting

Window misting because of wet weather or damp clothing:

- Cooling ‡ on.
- Press button ∰: The fan will automatically switch to 4, air distribution directed on to the windscreen.
- Set temperature switch as per requirements.

To switch off, press button W again; the air conditioning will operate at the settings selected previously.

Disreg ard of the settings described can cause the windows to become misted up which can lead to accidents due to lack of proper vision.



De-icing the windows

- Cooling 🌣 off,
- Press button ∰: The fan will automatically switch to 4, air distribution directed on to the windscreen.
- Set temperature switch as per requirements.

Operation with cooling (cooling compressor) is not possible at low outside temperatures.

To switch off, press button \Re again; the air conditioning will operate at the settings selected previously.

Disregard of the settings described can cause the windows to become misted up which can lead to accidents due to lack of proper vision.

Note

see page 143.

Maintenance see page 143.

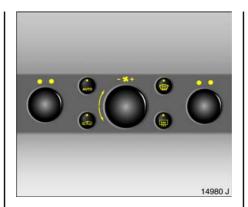
Electronic air conditioning system *

The system provides maximum comfort in any weather, at any outside temperature and during any season.

To ensure a constant and comfortable climate in the vehicle, the temperature of the inflowing air, the air-flow rate and the air distribution are changed automatically according to climatic conditions outside the vehicle.

The air is automatically regulated in accordance with the settings personally selected for the driver and passenger sides.

Temperature changes due to external influences, such as direct sunlight, are automatically compensated.



Manual settings e.g. operating without cooling and air distribution can be selected using the menu – see page 136.

When the cooling unit (cooling compressor) is on, the air is cooled and dehumidified.

Settings are shown on the information display.

The display can vary according to the type of presentation – see page 41.

The pollen filter removes dust, soot, pollen and spores from the inflowing outside air.



The automatic air recirculation system * has an air quality sensor * to detect harmful a mbient gases, in which case it will switch automatically to recirculation.

When set to automatic mode, the electronic air conditioning system provides the optimum settings under almost all conditions. If necessary, the system can be influenced manually.

The electronic air conditioning system is only fully operational when the engine is running.

At low outside temperatures the cooling unit (cooling compressor) switches off automatically.



Automatic mode

Basic setting for maximum comfort:

- Press AUTO button.
- Open all front air vents. If desired, the rear vents also *.
- Set the pre-selected temperature for the driver and passenger sides to 22 °C using the rotary knobs.

The temperature can be set higher or lower as desired.

Different temperatures can be set for the driver and passenger sides.

Operation without cooling (**ECO** appears in the display) may impair the level of comfort – see page 137.

All air vents (except the rear air vents *) are controlled automatically in automatic mode. The front air vents should therefore always be open.

Automatic air circulation mode *

Air recirculation is automatically activated as soon as the system detects harmful gases in the outside air. The circuit is controlled by an air quality sensor.

At low outside temperatures and with the cooling (cooling compressor) switched off, automatic recirculation operation will be disabled. This prevents the windows from misting up. Switch manually to air recirculation as necessary.

Switching automatic recirculation on or offsee page 138.

Manual recirculation operation – see page 139.

Temperature

Using the outer knobs, temperatures can be set to values between 16 °C and 28 °C.

For reasons of comfort, temperature can only be changed in small increments.

If a temperature below 16 °C is set, **Lo** appears in the display: the electronic air conditioning system runs constantly at maximum cooling power. The temperature is not regulated.

If a temperature above 28 °C is set, **Hi** appears in the display: the electronic air conditioning system runs constantly at maximum heating power. The temperature is not regulated.

Temperature settings are stored when the ignition is switched off.



Common temperature setting

Press the knob for the driver's side. The temperature on both the driver and passenger side together can be set using the knob on the driver's side.

Individual temperature settings

Press the knob for the passenger side.
Temperatures can be set independently of each other using the knobs for the driver and passenger sides.

The temperature on both the driver and passenger side are shown in the display.

For reasons of comfort, the temperatures cannot differ by more than 2 $^{\circ}$ C.



Manual settings

Under certain circumstances (e.g. iced-up or misted-up windows), the functions of the electronic air conditioning system can be influenced manually.

Electronic air conditioning settings can be changed using the central rotary knob, the buttons and using menus shown in the display. Calling up the menus:

Press the centre knob, and the menu for manual a djustments to the electronic air conditioning system will appear on the display.



Individual menu items are selected by turning the central knob and deselected by pressing it. For some menu items a submenu will appear as soon as the respective menu has been deselected by pressing.

Each menu can be exited by selecting **Back** and pressing the central rotary knob.

Manual settings are stored when the ignition is switched off.



Window demisting and de-icing

Disregard of the settings described can cause the windows to become misted up which can lead to accidents due to lack of proper vision.

Press button \Re , **Def** appears in display, control indicator in button illuminates.

The temperature and the air distribution are adjusted automatically, the fan runs at a faster speed and the windows are rapidly cleared of ice and moisture.

The airflow can be increased or decreased by turning the central knob.

To return to automatic mode: press button $ootnotesize{ }{ }$ or **AUTO**.

Auxiliary heating **¾** − see page 140.



Activating and deactivating cooling

Switch off the cooling (cooling compressor) to conserve fuel whenever cooling or drying is not needed. In the menu for manual settings, highlight menu item **AC** and press to select. **ECO** appears in the display.

Inflowing air is neither cooled nor dehum idified. This restricts the level of comfort provided by the electronic air conditioning system. This may cause the windows to mist up, for example.

To activate cooling: In the manual settings menu, select menu item **AC** and press to activate cooling.



Air distribution

In the menu for manual settings, select item **Air Distribution**.

Display of air distribution menus:

- Air distribution to windscreen and to front side windows
- Air distribution to vehicle occupants through a djustable air vents front and rear
- ★ Air distribution to footwell

Display of selected air distribution by means of symbols in display.

Reverting to automatic air distribution:
Select menu item **Auto** or press the **AUTO** button.



Air flow

Turn the centre rotary knob clockwise or anticlockwise (if no menu for manual settings is displayed). The selected fan level is indicated by **\$** and numbers in the display.

At speed **0** both the fan and the cooling (the cooling compressor) are switched off.

To return to automatic mode: Press **AUTO** button.

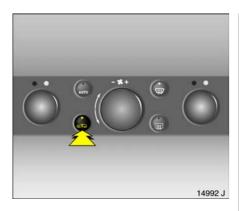


Switching automatic recirculation * on or off

The automatic air recirculation system has an air quality sensor to detect harmful gases in the outside air, in which case it will switch automatically to recirculation.

In the manual settings menu, select menu item **Air Quality Sensor** and switch it on or off by pressing.

Switch to manual air recirculation as necessary.



Manual air recirculation mode

The air recirculation system prevents the entry of outside air and the air in the passenger compartment is circulated.

Press button ﴿ , the control indicator in the button will light up.

The exchange of fresh air is reduced in air recirculation mode. The quality of the passenger compartment air deteriorates which may cause the vehicle occupants to feel drowsy. In operation without cooling the air humidity increases, so the wind ows may mist up. Consequently, manual air recirculation should only be run for short periods of time.

To deactivate manual air recirculation: Press button ← again, the control indicator in the button will go out.



Air conditioning with the engine not running

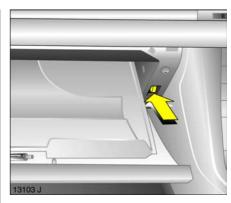
When the vehicle is stopped and the ignition off, the heat or cooling power still in the system can be used to condition the passenger compartment, for example when stopped at a level crossing.

Press button **AUTO** with the ignition off. **Residual Air Conditioning On** will appear on the display.

The air conditioning will operate for a limited period of time.

If necessary, the auxiliary heating * also automatically switches on. Observe notes on page 140.

To cancel air conditioning, press the **AUTO** button.



Cooled glove compartment *

Cooled air is fed into the glove compartment through an opening.

If g love compartment cooling is not needed, turn the wheel downwards.



Auxiliary heating / ventilation *

If the engine is switched off, the interior is heated or ventilated depending on the values that have been set and the interior temperature.

The regulation is in accordance with the most recent temperature settings in the electronic air conditioning – see page 136. When the system is switched on, the temperature setting can be varied using the outer rotary knobs.

The air is led to the windscreen and the front side windows if the \mathfrak{P} button is pressed before switching the ignition off.

Do not switch auxiliary heater on in filling stations or closed spaces – risk of fire or injury.



Direct activation

To activate directly with ignition on, call up the manual settings menu and select item **Auxili ary Heating** then select menu item **On**.

When the system is activated, the control indicator in the button ${f AUTO}$ will light up.

The system switches itself off automatically after a maximum of 60 minutes depending on the values that have been set and the interior temperature.

To switch off sooner, press **AUTO** button or select menu item **Auxiliary Heating** and then re-select menu item **On**.



Switching on at a programmed time

Three program med times can be stored for switching on.

For safety reasons only one programmed time for switching on can be active at any one time. After the heating cycle has been completed, the next required time for switching on must be activated afresh.

To store a program med time for switching on, call up the menu for manual settings and select item **Auxiliary Heating**.

After the menu item **Auxiliary Heating** the current status will be shown.



To set a time, select menu item Setting.

Then select menu item **Start 1**, **Start 2** or **Start 3** and set the required time. Then select menu item **Confirm**.



Select the required time for programmed switching on.

When the system is activated, the control indicator in the button **AUTO** will light up.

The system switches itself off automatically after a maximum of 60 minutes depending on the values that have been set and the interior temperature.

To cancel air conditioning, press the **AUTO** button.

The menu for auxiliary heating can be called up within 2 hours of switching the ignition off, by pressing on the central rotary knob, and settings entered.



Remote control

The system can also be switched on and off using the remote control:

On = Press button ①, the control indicator in the remote control unit will light up

Off = Press button O, the control indicator in the remote control unit will light up

Whilst the control indicator is lit up, no further signal can be sent.

When the system is activated, the control indicator in the button **AUTO** will light up.

▶

The remote control has a range of approx. 600 m. The range can be reduced by obstructions between the sender and receiver (e.g. walls) and by low power in the battery.

The system switches itself off automatically after a maximum of 60 minutes depending on the values that have been set and the interior temperature.

The auxiliary heating can be switched off at any time by pressing the button O.

Deactivating an activated switch-on time:

- 1. Press button O.
- 2. Delay of at least 3 seconds.
- 3. Press button Oagain.

If required, up to three additional remote control units can be programmed. We recommend that you consult a Vauxhall Authorised Repairer.

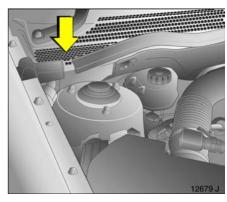


Changing the remote control battery Replace the battery immediately if the range of the remote control starts to become reduced.

Insert a pointed object into the opening in the underside of the remote control and flip open the cover. Replace batteries observing installation position. For battery type – see page 275.

Always exchange all batteries at the same time.

Make sure that you dispose of old batteries in accordance with environmental protection regulations.



Air intake

The air intakes in front of the windscreen on the far right and left sides of the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

Air outlet

Do not cover the air outlets when storing items in the luggage compartment storage compartments.

Pollen filter

The pollen filter cleans dust, soot, pollen and spores from the air entering from outside. The active carbon layer * eliminates most odours and harmful ambient gases from the air.

The filter must be replaced in accordance with the intervals specified in the Service Booklet.

Note

If the windscreen is misted due to damp weather, temporarily set the system as described under "Window demisting".

Cooling * functions most efficiently when the windows and sun roof * are closed. If the passenger compartment has heated up considerably after a long period in direct sunlight, briefly open the windows and sun roof * so that the hot air can escape quickly.

When cooling * (air conditioning compressor) is switched on condensation forms, which is expelled from the underside of the vehicle

At least one air vent must be open while cooling * (air conditioning compressor) is on in order to prevent the evaporator from icing up due to lack of air movement.

When the auxiliary heating \$ is switched on there may briefly be some smoke and noise.

When the auxiliary heating / auxiliary ventilation * is switched on the anti-theft alarm system monitoring of the vehicle interior * is deactivated.

Auxiliary heating *consumes fuel (approx. 0.3 litres per heating process on a verage).

Auxiliary heating \$ will only switch on if coolant temperature is less than approx. 80 °C.

In order to improve heating power and ensure that the engine operating temperature is reached quickly, auxiliary heating * also switches on automatically when driving if the outside temperature is less than approx. 8 °C. This occurs irrespective of stored auxiliary heating switch-on times. Auxiliary heating switches itself off automatically when the engine is switched off, while the combustion air fan continues running for approx. 2 minutes (humming noise).

Maintenance

In order to ensure consistently efficient performance, the cooling system * must be switched on for a few minutes once a month regardless of the weather or season. Operation with cooling * (cooling compressor) is not possible at low outside temperatures. Auxiliary heating * should be run for a few minutes every 6 months at a pre-selected temperature over 22 °C.

In the event of a fault, consult a workshop. We recommend a Vauxhall Authorised Repairer.

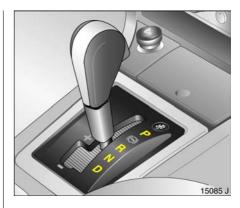
Automatic transmission **

The automatic transmission allows you to change gears automatically (automatic mode) or manually (manual mode).

Selecting **D** puts the transmission in automatic mode. If the selector lever is moved to the left in the **D** position, manual mode is activated, and the gears can be selected manually by tapping the selector lever forward or backward.

After starting the engine and before shifting into a gear, depress the brake pedal, If the brakes are released when a gear is engaged, the vehicle will "creep". Never actuate accelerator and brake pedals simultaneously.

Disregard of these instructions may lead to injuries or endanger life.



Selector lever in P, R, N and D (Automatic mode)

- Park. Front wheels locked.
 Only with vehicle stationary and handbrake on.
- R Reverse. Only engage when vehicle stationary.
- Neutral.
- D Drive position for normal driving conditions in first to fifth gear.



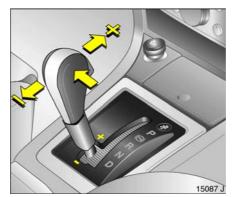
The selector lever can only be moved out of ${\bf P}$ or ${\bf N}$ when the ignition is switched on and the foot brake is depressed (selector lever lock).

In positions **P** or **N** the control indicator (S) in the selector lever indicator strip will light up red – see figure.

The engine can only be started with lever in position **P** or **N**. When position **N** is selected, press foot brake or engage handbrake before starting.

Do not accelerate during the selection procedure.

The selected gear is indicated in the transmission display.



Selector lever in + or -Active Select (Manual mode)

- + Shift to a higher gear
- Shift to a lower gear

If a higher gear is selected when the running speed is too low, or a lower gear when the speed is too high, no shift is effected. This prevents the engine from running at too low or too high revs.

If the engine speed is too slow, the transmission automatically shifts to a lower gear.

Increased engine speed will not result in an automatic upshift to a higher gear.

For reasons of safety, Kickdown also functions in manual mode – see page 147.

The selected gear is indicated in the transmission display.



Transmission display

The transmission display in the tachometer dial shows the currently engaged gear or current mode.

- P Park position.
- R Reverse gear.
- N Neutral or idling position.
- D Automatic mode.
- 1-5 Manual mode, selected gear.

Electronically controlled driving programmes

- Adaptive programmes automatically adapt gear shifting to suit the driving style, e.g.:
 - Sporty driving: Transmission changes gear at higher engine speeds.
 - Economical driving: Transmission changes gear at lower engine speeds.
 - Adaptation to special driving conditions still takes place, such as: driving up and down hills, when towing a caravan or trailer, and with a heavy load.

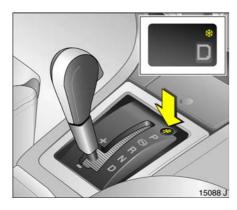
Automatic neutral shift function automatically sets the transmission to N to reduce fuel consumption, e.g. at traffic lights.

The automatic neutral shift function is activated when the following occurs simultaneously:

- The selector lever is in **D** or manual mode
- The foot brake is depressed
- The vehicle is stationary
- The accelerator pedal is not actuated
- Transmission oil temperature is over 0°C.

As soon as the brake is released and the accelerator pedal is depressed, the vehicle starts off in the usual manner.

- By means of delayed gear changing (higher engine speeds) following a cold start, the operating temperature programme quickly and automatically brings the catalytic converter to the temperature required for optimum pollutant reduction.
- Winter programme: press button ※ see next column.



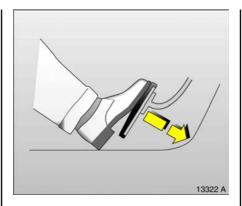
Winter programme *

In the event of starting-off difficulties on slip pery roads, press button \Re (can be operated only in $D - \Re$ lights up). The vehicle will start off in fourth gear.

The winter programme is switched off by:

- pressing button 🕸 again,
- switching off the ignition,
- selector lever in manual mode.

To protect against damage, the startingoff aid automatically cuts out at very high transmission oil temperatures.



Kickdown

Accelerator pedal pressed past the pressure point: depending on engine speed, the transmission shifts down into a lower gear. Full engine power is available for acceleration.

For reasons of safety, Kickdown also functions in manual mode.

Engine braking

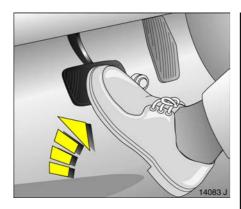
The automatic transmission will select the driving programme for optimum engine braking effect.

If required, lower gears can also be manually selected to increase the engine braking effect. First gear has the greatest braking effect.

Rocking the car

If it becomes necessary to rock the vehicle to free it from sand, mud, snow or a hole, move the selector lever from ${\bf D}$ to ${\bf R}$ in a repeat pattern while simultaneously applying light pressure to the accelerator pedal. Do not race the engine and avoid sudden acceleration.

This applies only to the exceptional circumstances mentioned above.



Manoeuvring the vehicle

To manoeuvre the vehicle back and forth during attempts to park or in garage entrances, the vehicle's creeping movement can be utilised by releasing the brake pedal.

Never actuate a ccelerator and brake pedals simultaneously.

Stopping the vehicle

The selector lever can be left in the chosen gear with the engine running.

When stopping on gradients engage handbrake or depress brake pedal. To prevent overheating of the transmission, do not increase engine revolutions to ensure smooth idling while standing if a gear has been selected.

Switch off engine if stopping for a lengthy period, e.g. in traffic jams or at level crossings.

Before leaving the vehicle, apply handbrake, then place selector lever in position **P** and remove ignition key.

The ignition key can only be removed when the selector lever is in position ${\bf P}$.

If the selector lever is not in **P** when the ignition is switched off, control indicator (S) in the selector lever indicator strip flashes—see page 145, Fig. 15086 J. Shift the selector lever to **P**

If the ignition key is not removed, the battery may be discharged if the vehicle is then left to stand for a lengthy period of time



Fault

In the event of a fault the control indicator & b lights up. The transmission no longer shifts automatically.

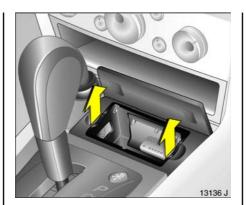
Driving can be continued:

In manual mode second and fifth gears can be selected. Depending on the fault, it may be that only fifth gear can be selected.

In automatic mode, only fifth gear is available when in **D**.

Illumination of control indicator & can also indicate a fault in the engine electronics – see page 164.

Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diagnostics allows faults to be quickly remedied.



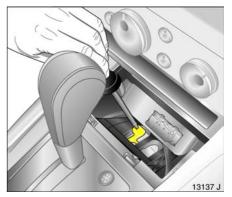
Interruption of power supply

If the vehicle battery is flat, the selector lever cannot be moved out of position **P**.

If the battery is flat, start the vehicle using jump leads – see page 200.

If the cause is not a discharged battery, unlock selector lever:

- 1. Apply hand brake.
- 2. Remove the ashtray see page 90.
- 3. Pull out ashtray socket upwards.



- 4. Push bar down with a screwdriver and move selector lever out of **P**.
- 5. Refit ashtray socket in centre console and latch into position.
- 6. Refit ashtray.

Re-selecting **P** locks the selector lever again. Have cause of power supply interruption remedied. We recommend that you consult a Vauxhall Authorised Repairer.

CVTronic *

In continuously variable automatic mode the transmission ratio is continuously variable. The engine speed is in the optimum torque range. Moving the selector lever from **N** to **D** puts the transmission into this mode.

When operating out of continuously variable automatic mode, the CVTronic electronically simulates the shifting of a conventional automatic transmission with defined gears. This mode is selected by moving the selector lever from **D** to the left.

Gears can be selected manually in manual mode. Higher or lower transmission ratios are manually selected by moving the selector lever from **D** to the left and tapping toward + or -.

After starting the engine, operate the brake before selecting a mode. If a mode is selected and the brake is released, the vehicle "creeps". Never operate the accelerator and brake pedals simultaneously.

Disregard of these instructions may lead to injuries or endanger life.

CVTronic is an automatic transmission with the following facilities:

- Continuously variable automatic mode,
- Out of continuously variable a utomatic mode,
- Manual mode.



Selector lever in P, R and N

- P Park. Front wheels locked.
 Only with vehicle stationary and handbrake on.
- R Reverse. Only engage when vehicle stationary.
- N Neutral or idling position.



The selector lever can only be moved out of ${\bf P}$ or ${\bf N}$ when the ignition is switched on and the foot brake is depressed (selector lever lock).

In positions **P** or **N** the control indicator (S) in the selector lever indicator strip will light up red – see figure.

If the transmission oil temperature is less than -25 °C the selector lever cannot be moved until the transmission oil temperature reaches -25 °C when the engine is running (P or N flashes in the transmission display as long as the selector lever is locked).

The engine can only be started with lever in position ${\bf P}$ or ${\bf N}$. When position ${\bf N}$ is selected, press foot brake or engage handbrake before starting.

Do not accelerate during the selection procedure.

The selector lever position is indicated in the transmission display.



Continuously variable automatic mode

Move selector lever from ${\bf N}$ to ${\bf D}$ (do not move to left in ${\bf D}$).

Drive position for normal driving positions.

D is shown in the transmission display.

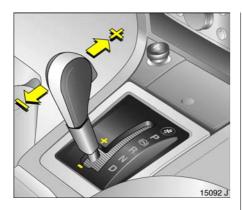


Out of continuously variable automatic mode

Move selector lever to left in position **D**.

Ratio adaptation takes place in 6 gears in this mode. The maximum speed is reached in 5th gear, and 6th gear is for economical driving.

A is shown in the transmission display.



Manual mode (ActiveSelect)

Shift the selector lever from **D** first to the left and then forward or rearward.

- Switch to higher gear
- Switch to lower gear

If a higher gear is selected at too slow a speed or a lower gear at too high a speed, no change takes place. This avoids engine speeds that are too high or too low.

The maximum speed is reached in 5th gear. 6th gear is designed for economical driving.

If the engine speed is too slow, a lower gear is a utomatically selected.

At high engine speeds a higher gear is not automatically selected.

For reasons of safety, Kickdown also functions in manual mode – see page 155.

The engaged gear is shown in the transmission display.



Transmission display

The transmission display in the tachometer dial shows the currently engaged gear or current mode.

- Park position.
- R Reverse gear.
- N Neutral or idling position.
- D Continuously variable automatic mode.
- A Out of continuously variable automatic mode.
- **1-6** Manual mode, selected transmission ratio.

Electronically controlled driving programmes

- Adaptive programmes automatically adapt the transmission ratio to the driving style, e.g.:
 - Sporty driving style: transmission changes at higher engine speeds.
 - Economical driving style: transmission ratio changes at slower speeds.
 - Adaptation to special driving conditions still takes place, such as: driving up and down hills, towing a caravan/ trailer and with heavy loads.

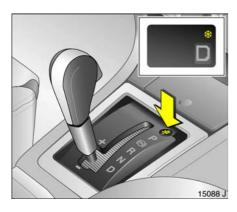
Automatic neutral shift function automatically sets the transmission to N to reduce fuel consumption, e.g. at traffic lights.

The automatic neutral shift function is activated when:

- The selector lever is in automatic mode or manual mode
- The foot brake is depressed
- The vehicle is stationary
- The accelerator pedal is not actuated
- Transmission oil temperature is over 0°C.

As soon as the brake is released and the accelerator pedal is depressed, the vehicle starts off in the usual manner.

- After a cold start the operating temperature program me rapidly brings the catalytic converter to the optimum temperature that is required to optimise pollutant reduction by means of using the appropriate ratio (increased engine speed).
- The speed programme limits the engine speed to protect the transmission from damage at high transmission oil temperatures.
- Winterprogramme: press button ※ see next column.



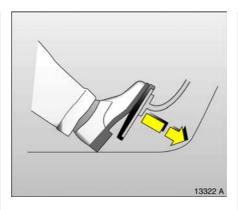
Winter programme *

In the event of starting-off difficulties on slip pery roads press button \Re , which can be selected either in or out of continuously variable automatic mode (\Re lights up). The vehicle will start off with a high transmission ratio.

The winter programme is switched off by:

- pressing button 🔆 a gain,
- switching off the ignition,
- switching to Manual mode.

To protect against damage, the startingoff aid automatically cuts out at very high transmission oil temperatures.



Kickdown

Accelerator pedal pressed past the pressure point: depending on engine speed, the transmission shifts down into a lower gear transmission ratio. Full engine power is available for acceleration.

For safety reasons Kickdown is available in all modes.

Engine braking

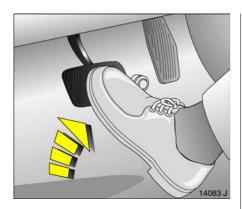
CVTronic automatically selects the driving programme with the optimum engine braking effect.

If necessary, lower gears can also be selected in manual mode to increase the amount of braking assistance. Gear 1 has the greatest braking effect.

Rocking the car

If it becomes necessary to rock the vehicle to free it from sand, mud, snow or a hole, move the selector lever from ${\bf D}$ to ${\bf R}$ in a repeat pattern while simultaneously applying light pressure to the accelerator pedal. Do not race the engine and avoid sudden acceleration.

This applies only to the exceptional circumstances mentioned above.



Manoeuvring the vehicle

To manoeuvre the vehicle back and forth during attempts to park or in garage entrances, the vehicle's creeping movement can be utilised by releasing the brake pedal.

Never actuate accelerator and brake pedals simultaneously.

Stopping the vehicle

The selector lever can be left in the chosen gear with the engine running.

When stopping on gradients engage handbrake or depress brake pedal. To prevent overheating of the transmission, do not increase engine revolutions to ensure smooth idling while standing if a gear has been selected.

Switch off engine if stopping for a lengthy period, e.g. in traffic jams or at level crossings.

If the selector lever is not in **P** when the ignition is switched off, control indicator (S) in the selector lever indicator strip flashes—see page 151, Fig. 15086 J. Shift the selector lever to **P**.

Before leaving the vehicle, apply handbrake, then place selector lever in position **P** and remove ignition key.

The ignition key can only be removed when the selector lever is in position **P**.

If the ignition key is not removed, the battery may be discharged if the vehicle is then left to stand for a lengthy period of time.



Fault

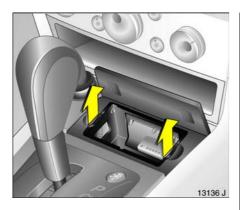
Control indicator $\ll 1$ illuminates if a fault occurs.

Driving can be continued:

The choice of transmission ratio is restricted. The vehicle accelerates more slowly and the maximum speed is limited. Certain faults prevent the use of manual mode.

Illumination of control indicator & can also indicate a fault in the engine electronics – see page 164.

Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diagnostics allows faults to be quickly remedied.



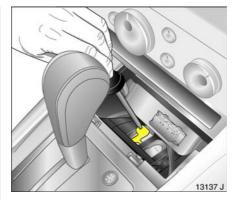
Interruption of power supply

If the vehicle battery is flat, the selector lever cannot be moved out of position **P**.

If the battery is flat, start the vehicle using jump leads – see page 200.

If the battery is not the cause of the fault, release selector lever:

- 1. Ap ply handbrake.
- 2. Remove the ashtray see page 90.
- 3. Pull out ashtray socket upwards.



- 4. Push bar down with a screwdriver and move selector lever out of **P**.
- 5. Refit ashtray socket and click it into place.
- 6. Refit ashtray.

Re-selecting **P** locks the selector lever again. Have cause of power supply interruption remedied. We recommend that you consult a Vauxhall Authorised Repairer.

Driving hints

The first 600 miles / 1000 km

Drive your vehicle at various speeds. Do not use full throttle. Never allow the engine to labour at low revs.

Make good use of all gears. Depress the accelerator pedal a maximum of around three quarters of the available pedal travel in all gears.

Do not drive faster than three quarters of maximum speed.

Do not brake unnecessarily hard for the first 125 miles (200 km).

Never coast with engine not running

Many units will not function in this situation (e.g. brake servo unit, electro-hydraulic power steering). Driving in this manner is a danger to yourself and others.

Brake servo unit

When the engine is not running, the brake servo unit is no longer effective once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force.

Electro-hydraulic power assisted steering

If the power-assisted steering fails when being towed with the engine switched off, the vehicle can still be steered, but considerably more force is required.

Driving in mountainous terrain or with a carayan / trailer

The cooling fan is electrically operated. Its cooling power is therefore independent of the engine speed.

Since a considerable amount of heat is generated at high engine speeds and less at slower speeds, do not shift down when climbing hills whilst the vehicle is still coping with the gradient in the higher gear.

Diesel engine: On rising gradients of 10 % or more, do not drive faster than 20 mph (30 km/h) in 1st gear, 30 mph (50 km/h) in 2nd gear; with automatic transmission *in gear 1 and with CVTronic *in manual mode in transmission ratio 1, do not exceed 25 mph (40 km/h).

Driving with a roof load

Do not exceed the permissible roof load – see pages 188, 263. For reasons of safety, distribute the load evenly and secure it properly with retaining straps so that it cannot slip. Set the tyre pressure to the value specified for a full load. Do not drive faster than 75 mph (120 km/h). Check and retighten the straps frequently.

Switching off the engine

When you switch off, fans in the engine compartment may continue running for a time to cool the engine.

If the engine temperature is very high, e.g. after driving in mountainous terrain: allow the engine to idle for approximately two minutes in order to prevent heat accumulation.

Vehicles with engine Z 20 NET¹⁾:

After running at high engine speeds or high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off in order to protect the turbocharger.

¹⁾ Sales designation – see page 256.

Save energy – more miles

Please observe the running-in hints on the previous page and the tips for energy saving on the following pages.

Good, technically correct and economical driving ensures maximum durability and performance for your vehicle.

Overrun *

The fuel supply is automatically shut off during overun, e.g. when the vehicle is being driven down long gradients or when braking. To enable the overrun cut-off to take effect, do not accelerate during overun and, if in manual transmission mode, do not de-clutch. To prevent damage to the catalytic converter, overun cut-off is temp orarily deactivated when the catalytic converter temperature is high.

Vehicles with engine Z 20 NET1):

Flow-generated noises may be audible if the accelerator is released quickly on account of air flow in the turbocharger.

Engine speed

Drive in a low engine speed range for each gear as much as possible.

Warming up

Allow the engine to warm up while driving. Do not warm it up by letting it run at idling speed. Do not apply full throttle until the engine has reached operating temperature.

After a cold start, the automatic transmission or CVTronic does not shift to higher gears until faster speeds have been reached. This allows the catalytic converter to quickly reach the temperature required for optimum pollutant reduction.

Correct gear selection

Engine in neutral and without revving in the lower gears. Stop-and-go traffic and driving at a speed too high for the selected gear or transmission ratio increases we ar and fuel consumption.

Change down

When decreasing speed, shift down into the next lowest gear. Do not slip the clutch with a high-revving engine. This is especially important when hill climbing.

Clutch operation

Always depress the clutch pedal hard to the floor to prevent shifting difficulties and transmission damage.

When driving do not use the pedal as a footrest; this will cause substantial clutch wear.

Pedals

Do not place any objects in the footwell which could slip under the pedals and inhibit the pedal travel.

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Battery care

When driving slowly or when the vehicle is stationary, e.g. in slow urban traffic, stop-start traffic or traffic jams, turn off all unnecessary electrical loads where possible (e.g. heated rear window, heated seats).

Declutch when starting in order to relieve the strain on the starter and the battery.

¹⁾ Sales designation – see page 256.

Save fuel, protect the environment

Trend-setting technology

When developing and manufacturing your vehicle, Vauxhall used environment-friendly and in the main recyclable materials. The production methods used to make your vehicle are likewise environmentally-compatible.

Recycling of production wastes keeps the circulation of material closed. Reduction of energy and water requirements also helps to conserve natural resources.

A highly advanced design means that your vehicle can be easily disassembled at the end of its working life, and the individual materials separated for subsequent re-use.

Materials such as asbestos and cadmium are not used. The refrigerant in the air conditioning system * is CFC-free.

New painting techniques employ water as a solvent.

End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available at www.vauxhall.co.uk

Drive in an energy and environment-conscious way

- High fuel consumption, noise levels and exhaust emission are often caused by a driving style that is not energy and environment-conscious.
- You should therefore drive with energy in mind "more miles with less fuel".

Reduce the noise level and exhaust emissions by adopting an environmentconscious driving style. This is extremely worthwhile and improves the quality of life.

Fuel consumption depends to a great extent on your own personal driving style. The following hints are intended to help you consume fuel at a rate that is as close as possible to the specified levels – see page 260, 261.

Check your vehicle's fuel consumption every time you refuel. This facilitates early detection of any irregularities causing increased fuel consumption.

Warming up

- Full throttle and warming up at idle speed increase wear, fuel consumption, exhaust emission, the amount of pollutant in the exhaust and the amount of noise.
- Drive off immediately after starting.
 Warm up the engine by running it at moderate engine speeds.

Uniform speed

- Hectic driving significantly increases fuel consumption, the exhaust emissions, the proportion of pollutant in the exhaust gas and the noise level.
- Do not accelerate and brake unnecessarily. Drive at uniform speed.

Avoid frequent starting off and stopping e.g. at traffic lights, in short distance traffic and in queues of traffic by means of clever planning. Select roads with good traffic flow.

Idling

- The engine also consumes fuel when idling.
- If you have to wait for more than one minute, it is worthwhile switching off the engine. Five minutes of idling corresponds to approximately 0.6 miles (1 kilometre) of driving.

Overrun

- The fuel supply is automatically shut off during overrun, e.g. when the vehicle is being driven down long gradients or when braking see page 159.
- To enable the overrun cut-off to take effect and save fuel, during overrun do not accelerate and do not declutch.

Correct gear selection

- High revs increase engine wear and fuel consumption.
- Do notrace your engine. Avoid driving at high engine speeds.

Driving with an eye on the tachometer saves fuel. If possible, drive a tlow revs in each gear and at a constant speed. Drive in top gear as much as possible, shift up as soon as possible and do not shift down until the engine is no longer running truly.

High speed

■ The faster the speed, the higher the consumption and the noise level. Driving at full throttle uses up a great deal of fuel and generates excessive noise and high emission levels.

Slightly releasing the accelerator pedal results in distinct fuel savings with no major loss of speed.

Drive at no more than around three quarters of maximum speed and you will use up to 50 % less fuel, without losing a great deal of time.

Tyre inflation pressure

- Inadequate tyre pressure, leading to higher road resistance, costs money in two ways: for more fuel and increased tyre wear.
- Regular checks (every 14 days) pay off.

Electrical loads

- The power consumption of electrical equipment increases fuel consumption.
- Switch off additional consumers (e.g. air conditioning *, heated rear window) when they are no longer required.

Roof racks, ski-holders

- Roof loads can increase fuel consumption by approx. 3.5 gal./1000 miles (11/100 km) due to air resistance.
- Remove them if they are not being used.

Repair and maintenance

Improper repairs or adjustment and maintenance work can increase fuel consumption. Do not carry out work on the engine yourself.

You may out of ignorance infringe environmental laws by not disposing of materials properly.

Appropriate parts might not be recycled.

Contact with some of the materials involved may pose a health hazard.

We recommend that repair and maintenance be entrusted to a Vauxhall Authorised Repairer.

Extreme driving conditions

Driving up steep gradients, cornering, driving on poor roads and winter driving all increase fuel consumption.

Fuel consumption increases dramatically in urban traffic and at winter temperatures, especially on short trips when the engine operating temperature is not reached.

Follow the hints given above to keep consumption to a minimum under such conditions.

Fuel consumption, fuel, refuelling

Fuel consumption

Fuel consumption is determined under specific driving conditions – see page 260.

Fitting special equipment will increase the weight of the vehicle. This in tum increases fuel consumption and reduces the specified maximum speed of the vehicle.

For the first few thousand miles / kilometres, friction between the engine and transmission components is higher. This increases fuel consumption.

Fuel for petrol engines

Commercially available high-quality fuels are suitable (catalytic converter – see page 164, octane numbers – see pages 256, 257). Fuel quality has a decisive influence on the power output, running behaviour and service life of the engine. The additives contained in the fuel play an important role in this regard. You should therefore only use high-quality fuels containing additives.

Fuel with too low an octane number can cause pinking. Vauxhall cannot be held liable for resulting damage.

Petrol with a higher octane number can always be used.

The use of 91 octane fuel is not permitted in vehicles with engine Z 22 YH¹⁾.

Pump nozzles for leaded fuel cannot be inserted into the filler neck of vehicles that operate on unleaded fuel.

The ignition timing adjusts automatically to the grade of fuel used (octane number) – see pages 256, 257.

Use of petrol with an octane rating of 95 will ensure economical driving.

¹⁾ Sales designation – see page 256.

Fuel for diesel engines

Diesel engines must be operated only on commercially available diesel fuel meeting the specifications of DIN EN 590. Do not use marine diesel oils, heating oils or entirely or partially plant-based diesel fuels, such as rape seed oil or bio diesel, Aquazole and similar diesel-water emulsions.

The flow and filterability of diesel fuel are temperature-dependent.

Diesel fuels with improved lowtemperature properties are therefore available on the market during the winter months. Make sure that you fill the tank with winter fuel before the start of the cold weather season.

Additives can be used with diesel fuels with winter properties that are guaranteed by the manufacturer and when using diesel fuel filters that are heated depending on the outside temperature.

Re fue lling

Care must be taken when handling fuel.

Before refuelling, it is absolutely vital to switch off the engine and any heating systems with combustion chambers. Switch off all mobile phones.

Petrol is flamma ble and explosive. Please therefore avoid naked flames and sparks when handling fuel, even when you are in the vicinity of fuel. Do not smoke! This also applies in places where petrol can only be detected by its characteristic smell. If you can smell petrol in the vehicle, have cause thereof remedied immediately. We recommend that you consult a Vauxhall Authorised Repairer.

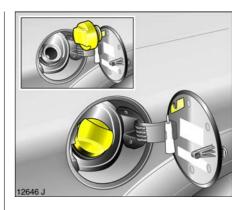
The fuel tank filler neck is located on the right, rear side of the vehicle.

The tank flap is locked together with the doors – see page 58.

Open the tank flap.

Unscrewfuel filler cap to open, remove and suspend from tank flap.

The fuel tank has a limiting system which prevents overfilling of the tank.



Correct filling depends to a large extent on proper operation of the fuel dispensing pump:

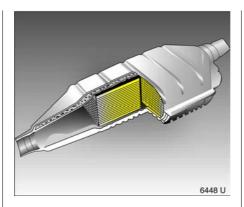
- Fully insert the pump nozzle and switch it on.
- After the automatic cut-off, the nominal capacity of the tank can be obtained by topping up with two doses of fuel. Make sure the nozzle is fully inserted.

To close, position the fuel filler cap and rotate until the cap audibly clicks over the retainer.

Close fuel tank cover.

Wipe off any overflowing fuel immediately.

Catalytic converter, exhaust gases



Catalytic converter for petrol engines *

Leaded fuel will damage the catalytic converter and parts of the electronic system, rendering them inoperative.

Use of high-quality fuels other than those specified on page 162 (e.g. LR P¹⁾) could damage the catalytic converter.

On vehicles with a catalytic converter, the fueltank filler neck is of a narrow design so that a dispensing pump for leaded fuel cannot be inserted.

Damage to the catalytic converter or the vehicle may result if the following points are not observed:

■ If the engine misfires or runs roughly after a cold start, the engine power has reduced significantly or other unusual operating problems occur that indicate a fault in the ignition system, please contact a workshop as quickly as possible. We recommend that you consult a Vauxhall Authorised Repairer. Drive at a slower speed and with less engine revs for a short time if necessary.

Irregular engine running and a loss of engine power when the Traction Control system * or the Electronic Stability Programme * come into action are determined by the operating conditions and are therefore of no significance – see pages 168, 170.

If unburnt fuel enters the catalytic converter, this may result in overheating and irreparable damage to the catalytic converter.

You should therefore avoid unnecessarily long use of the starter when starting off, running the tank dry (an irregular fuel supply will lead to overheating) and starting the engine by pushing or towing.

¹⁾ LRP = Lead Replacement Petrol.

■ If the emission control indicator that flashes, slow down until the flashing stops and the control indicator is steady. Contact a workshop immediately. We recommend that you consult a Vauxhall Authorised Repairer. For emission control indicator the page 166.

Catalytic converter for diesel engines *

Damage to the catalytic converter or the vehicle may result if the following points are not observed:

■ If the engine runs roughly, the engine power has reduced significantly or other unusual operating problems occur, please contact a workshop as quickly as possible. We recommend that you consult a Vauxhall Authorised Repairer. Drive at a slower speed and with less engine revs for a short time if necessary.

Irregular engine running and a loss of engine power when the Traction Control system * or the Electronic Stability Programme * come into action are determined by the operating conditions and are therefore of no significance – see pages 168, 170.



Controlling exhaust emission

Through design-related measures – mainly in the area of the fuel-injection and ignition systems – the proportion of noxious materials in the exhaust, such as carbon monoxide (CO), hydrocarbons (HC) and nitrogen oxides (NO_X), is reduced to a minimum.



Control indicator ♥ for exhaust

Lights up when ignition is switched on and remains illuminated during starting. Goes out shortly after engine starts.

If it lights while the engine is running there is a fault in the emission control system. The permitted emission values may be exceeded. Consult a workshop immediately. We recommend a Vauxhall Authorised Repairer.



Flashing with the engine running indicates a fault that may damage the catalytic converter. You can continue to drive without causing damage by slowing down until the flashing stops and the control indicator is steady. Consult a workshop immediately. We recommend that you consult a Vauxhall Authorised Repairer.

(within tachometer display dial)
If it lights when the engine is running, there is a fault in engine or transmission electronics. The electronic system switches to an emergency running programme. Fuel consumption may be increased and the driveability of the vehicle may be impaired.

In some cases the fault can be eliminated by switching the engine off and back on again. If the control indicator lights up again when the engine is running, consult a workshop to have the cause of the fault remedied. We recommend a Vauxhall Authorised Repairer.

If it lights briefly, but does not recur, it is of no significance.

Flashing with the ignition switched on indicates a fault in the immobiliser system. The engine cannot be started – see page 55.

Exhaust gases

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust fumes penetrate the vehicle interior, open the windows and consult a workshop immediately. We recommend that you consult a Vauxhall Authorised Repairer.

When the vehicle is driven for the first time, wax and oil on the exhaust system may evaporate, producing smoke-like emissions. Allow wax and oil to evaporate while the vehicle is in open air. Avoid inhaling.

Maintenance

Have all maintenance work carried out at the intervals specified by Vauxhall. We recommend that you entrust this work to a Vauxhall Authorised Repairer, who has proper equipment and trained personnel available. Electronic testing systems permit rapid diagnosis and remedy of faults. This way you can be certain that all components of the vehicle's electrical, injection and ignition systems operate correctly, that your vehicle has a low level of pollutant emission and that the catalytic converter system will have a long service life.

You are thereby making an important contribution towards keeping the air clean and compliance with emissions legislation.

Checking and adjustment of the fuelinjection and ignition systems is part of the scope of inspection. For this reason you should have all maintenance work carried out at the intervals specified in your Service Booklet.

Drive control systems

Traction Control system (TC^{Plus}) *****

TC ^{Plus} p revents the driving wheels from spinning, irrespective of the road conditions and tyre grip.

The system monitors the rotational speed of all wheels. As soon as at least one driving wheel starts to spin, the engine output is reduced (the sound of the engine changes) and the spinning wheel is braked. This improves the vehicle's directional control and driving power, particularly on snow and ice as well as on wet or slippery roads.

TC ^{Plus}is ready for operation as soon as the ignition is switched on and the control indicator $\hat{\Re}$ goes out.

When the TC^{Plus} comes into action, \hat{P} flashes.

The vehicle is now in a critical situation; TC^{Plus} allows you to keep control of the vehicle and reminds you to adapt your speed to the road conditions.

Do not let this special safety feature tempt you into taking risks when driving.

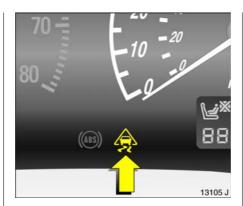
Traffic safety can only be achieved by adopting a responsible driving style.

Control indicator &

Lights up for a few seconds when ig nition is switched on. The system is now ready for operation.

Flashing during driving

This shows the system has come into action. The engine output may be reduced (the sound of the engine changes) and the vehicle may be braked automatically to a small degree.



Lights while driving

Fault in the system: Driving can continue. Spinning drive wheels can cause driving stability to worsen unless driving style is adapted, depending on acceleration and road surface.

Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diag nostics allows faults to be quickly remedied.



Switching off *****

 TC^{Plus} can be deactivated by pressing button \hat{R} *.

Deactivation is only possible up to a speed of 40 mph ($60 \, \text{km/h}$) and is indicated by illumination of control indicator \$ on the instrument panel.

TC Plus is reactivated by pressing button & again or the next time the ignition is switched on.

Electronic Stability Programme (ESP Plus) *

ESP^{Plus} improves driving stability when necessary, irrespective of the road surface and the tyre grip in all driving situations. It also contains the functions provided by the Traction Control system.

The system monitors vehicle movements. As soon as the vehicle starts to swerve (understeers / oversteers) engine output is reduced (the sound of the engine changes) and individual wheels are specifically braked. This considerably improves the driving stability of the vehicle on snow and ice and on wet or slippery road surfaces.

 $\mathsf{ESP}^\mathsf{Plus}$ is ready for operation as soon as the ignition is switched on and control indicator \Re goes out.

When the ESP^{Plus} comes into action, \Re flashes.

The vehicle is now in a critical situation; ESP^{Plus} allows you to keep control of the vehicle and reminds you to adapt your speed to the road conditions.

Do not let this special safety feature tempt you into taking risks when driving.

Traffic safety can only be achieved by adopting a responsible driving style.



Control indicator 🕏

Lights up for a few seconds when ignition is switched on. The system is now ready for operation.

Flashing during driving

This shows the system has come into action. The engine output may be reduced (the sound of the engine changes) and the vehicle may be braked a utomatically to a small degree.

Lights while driving

Fault in the ESP system. Driving can be continued. Poor road surface conditions may however still cause vehicle stability to be impaired.

Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diagnostics allows faults to be quickly remedied.



Switching off *

ESP^{Plus} can be deactivated by pressing button $\Re *$.

Deactivation is only possible up to a speed of 40 mph (60 km/h) and is indicated by illumination of control indicator $\hat{\Re}$ on the instrument panel.

ESP^{Plus} is reactivated by pressing button & again or the next time the ignition is switched on.

Cruise control *

Cruise control can store and maintain speeds from approx. 20 to 125 mph (30 to 200 km/h).

For safety reasons, the cruise control cannot be activated until the foot brake has been activated once.

Cruise control is operated with buttons \mathfrak{S} , \mathfrak{S} , and \mathbf{O} on the turn signal stalk.

Do not use the cruise control if it is not advisable to maintain a constant speed (e.g. in situations presenting a danger to yourself and other road users, in heavy traffic or on winding, slippery or greasy roads).

With automatic transmission or CVTronic, it is advisable to only use the cruise control in **D** gear or continuously variable automatic mode.

When the cruise control is active, reaction times may be increased due to the different position of the feet.

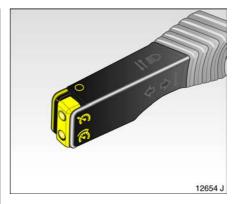
Disregard of these instructions may lead to injuries or endanger life.



Control indicator 🔊

Lights up for a few seconds when ignition is switched on. The system is now ready for operation.

When driving, the control indicator \mathfrak{D} will light up as soon as the system is switched on.



To activate:

Tap button orall: the current speed is stored and maintained. The accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Inc rea se

With cruise control active, hold down button (5) or tap it repeatedly: speed is increased continuously or in steps of 1.2 mph (2 km/h) without using the accelerator pedal.

When button \mathfrak{P} is released the current speed is stored and maintained.

De cel era te

With cruise control active, press button \mathfrak{S} or tap it repeatedly: speed is reduced continuously or in steps of 1.2 mph (2 km/h).

When button \mathfrak{S} is released the current speed is stored and maintained.

To deactivate:

Tap button O:cruise control is switched off, control indicator © goes out and the vehicle slowly decelerates. To continue driving, depress the accelerator pedal in the usual manner.

For reasons of safety, cruise control switches off automatically under certain driving conditions.

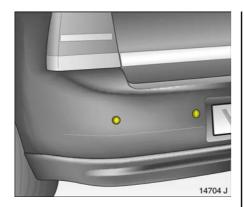
For example:

- the vehicle's speed drops below approx. 20 mph (30 km/h) or
- the brake pedal is depressed or
- the clutch pedal is depressed or
- automatic transmission or CVTronic selector lever in **N**.

Resuming the stored speed

Tap button \mathfrak{S} at a speed above 20 mph (30 km/h): the speed selected before the cruise control was switched off is resumed.

The stored speed is erased when the ignition is switched off.



Parking distance sensors *

The parking distance sensors makes reverse parking easier by measuring the distance between the vehicle and an obstacle, and giving an acoustic signal in the passenger compartment.



The system registers distance by means of four sensors in each of the front and rear bumpers.



To activate:

With the ignition switched on and in vehicles with automatic transmission or CVTronic, the front and rear parking distance sensors are automatically enabled when reverse gear is selected or the selector lever is moved to the **R** position.

The parking distance sensors can also be activated at speeds of less than 15 mph (25 km/h) by pressing the P^{m} button on the instrument panel.

The functional readiness of the system is indicated by the LED in the button lighting up.

If the vehicle approaches an obstacle to the front or rear, a series of signals is sounded in the vehicle interior. The interval between the signals becomes shorter as the distance is reduced. If the distance is less than 30 cm, the signal will be continuous.

Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles. For this reason, care must be taken when reversing even if the parking distance sensors are operational. This is of particular importance when in the vicinity of pedestrians.

To deactivate:

To deactivate the system, press button $P^{n/4}$ again, the LED in the button will go dark.

The system switches itself off automatically when the forwards speed exceeds approx. 15 mph (25 km/h).



Control indicator P

If it lights up

Fault in the system. The system is not ready for operation. Have the fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diag nostics a llows faults to be quickly remedied.

<u>If it flashes</u>

The fault is due to sensors obstructed with snow or ice. The sensors must be undamaged and free of dirt, snow and ice.

Interference due to external sources of ultra sound (e.g. pneumatic drills, rotary machines). Once the source of interference is removed, the system will operate normally.

Caravan / trailer towing equipment *, caravan / trailer towing

The system automatically detects if a towbar is fitted to the vehicle.

When towing, inserting the trailer plug in the socket automatically switches off the parking distance sensors.

Fitting rear load racks *

Rear load racks, e.g. bicy cle racks, fitted near the sensors could disrupt the system.

Tyre pressure control system *

The tyre pressure control system continuously monitors the pressure in all four tyres whilst the vehicle is being driven.

Each wheel is fitted with a pressure sensor. Information on individual tyre pressures is sent to a control unit and the pressures of the tyres on the same axle are compared. If the system detects one or more differences in tyre pressure, the tyres affected will be shown in the tachometer display. On vehicles with check control *, the pressure in the respective tyre will be accurately shown in the information display.

In order for the system to be operable, all wheels must be equipped with pressure sensors and the tyres must be filled to the correct pressure. The tyre pressure control system detects automatically if the vehicle is driven with a tyre pressure correct for a load of up to 3 persons or for a full load.

Once the ignition is switched on, the system is operational and will continuously monitor the tyre pressures at speeds of approx. 20 mph (30 km/h) and a bove.



The tyre pressure control system does not replace the need to check tyres manually using a suitable pressure gauge.

Check tyre pressures no less than every 14 days and prior to any long journey. Tyre pressures should be checked when cold. Don't forget to check the spare.

Tyre pressures – see pages 184, 268.

Control indicator (!) for system fault shown in tachometer display

If it lights while driving, there is a fault in the system. Have the cause of the fault rectified. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diagnostics allows faults to be quickly remedied.

If a wheel without pressure sensor (e.g. spare wheel) is mounted, 1 is displayed.



Display 🚉 in the tachometer dial (example)

If it lights while driving, tyre pressure differences are indicated by an arrow pointing to the tyres in question.

If display is yellow

the loss of pressure is minor, continue driving at reduced speed. Check tyre pressure at next opportunity using suitable tyre pressure gauge, and correct the pressure as required.

If display is red

major difference in pressure or complete loss of pressure! Stop immediately and check tyre. If necessary, fit spare tyre – see pages 205, 208.

Displays in graphical information display * or colour information display * In version with check control * differing air pressures are displayed in messages in the information display whilst driving (Fig. 13356 J shows colour information display, Fig. 13357 J shows graphical information display).

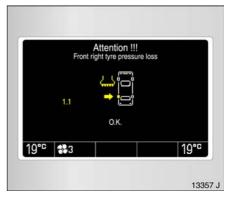


For example, the following messages can be displayed:

Check rear left tyre pressure

At the same time a diagram is shown identifying the rear left tyre and listing the tyre pressure: the loss of pressure is minor, continue driving at reduced speed. Check tyre pressure at next opportunity using suitable tyre pressure gauge, and correct the pressure as required.

On the colour information display this report will appear in yellow.



Attention! Rear left tyre pressure loss

At the same time a diagram is shown identifying the rear left tyre and listing the tyre pressure: major difference in pressure or complete loss of pressure! Stop immediately and check tyre. If necessary, fit spare tyre – see pages 205, 208.

On the colour information display this report will appear in red.

Acknowledgement of warnings – see page 42.

General information

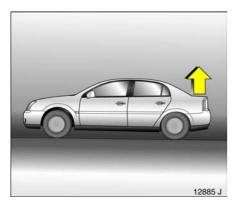
The spare wheel is not fitted with a pressure sensor. When the spare wheel is fitted, the tyre pressure control system will not operate on this wheel, and the control indicator ① will light up. The system remains operational for the other three wheels.

If a complete set of wheels not fitted with sensors for the tyre pressure control system is used, e.g. four wheels with winter tyres, or if retro-fitting a different size of tyre, no fault report will be displayed. The system will not be operational. Sensors for the tyre pressure control system can be fitted retrospectively if so desired. We recommend that you consult a Vauxhall Authorised Repairer.

Vehicles with the tyre pressure control system can be recognised by metal tyre valve stems with aluminium valve caps instead of conventional rubber shafts with plastic valve caps. When manually checking tyre pressure with pressure gauge, screw adapter to valve. Tyre pressure – see page 184.

The tyre pressure monitoring system valve cores and sealing rings must be replaced each time the tyres are changed. We recommend that you contact a Vauxhall Authorised Repairer.

The use of liquid filled run-flat systems or repair kits can impair the functioning of the system.



Automatic Level Control System*

The Automatic Level Control Systemallows the vehicle height to be kept practically constant thus significantly improving the handling when the rear of the vehicle is subjected to varying loads – such as when towing a caravan / trailer.

During travel, the vehicle is automatically raised at the rear, increasing the spring travel and ground clearance.

The Automatic Level Control System is activated after approx. 2 miles (3 kilometres), depending on the vehicle loading and the nature of the road surface.

Head light range adjustment – see page 117.

In the event of malfunctions, do not utilise the vehicle's full load capacity. Have the cause remedied without delay. We recommend that you consult a Vauxhall Authorised Repairer.

Brakes

Brake system

The effectiveness of the brakes is an important factor for traffic safety.

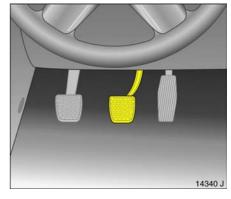
To improve effectiveness, do not brake unnecessarily hard for the first 125 miles (200 km) after new brake pads have been fitted.

Brake pad wear must not exceed a specified limit. Regular maintenance as detailed in the Service Booklet is therefore of the utmost importance for traffic safety.



Control indicator (2) for brake pad wear If it lights when the engine is running: front disc brake pads worn down to minimum thick ness.

Have worn brake pads replaced. We recommend that you consult a Vauxhall Authorised Repairer, who will fit pads that have been tested and approved by Vauxhall and guarantee optimum braking power.



Foot brake

The foot brake comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. If this occurs, however, the brake pedal must be depressed quite far using considerable force before braking effect occurs. The distance required for braking will be greater. Consult a workshop before continuing your journey. We recommend a Vauxhall Authorised Repairer.

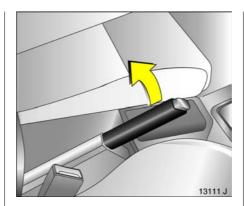
To ensure that full pedal travel can be utilised, especially if there is a fault in one of the brake circuits, there must be no mats in the pedal area.

When the engine is not running, the assistance of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. This is especially important to bear in mind when towing.

Check the brake lights before starting out on a journey. On vehicles with check control * the brake lights are checked automatically – see page 46.

Shortly after starting each journey the effectiveness of the brake system should be tested at low speed and without inconveniencing other traffic, especially if the brakes are wet, e.g. after the vehicle has been washed.

The brake fluid level should be checked regularly. If the brake fluid level is too low and the hand brake is not applied, control indicator (1) on the instrument panel lights up – see page 34.

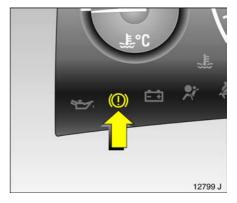


Handbra ke

Always apply handbrake firmly. On slopes apply the handbrake as firmly as possible.

The mechanical handbrake acts on the brakes on the rear wheels. It engages automatically when applied.

To release the handbrake pull the lever up slightly, press the ratchet knob, and fully lower the lever.



Brake system control indicator ①

The control indicator lights when the ignition is switched on, if the handbrake is applied or if the brake or clutch fluid level is too low. Brake fluid level – see page 240.

If the control indicator lights when the hand brake is not applied: Stop. Interrupt your journey immediately. Consult a workshop. We recommend a Vauxhall Authorised Repairer.

ABS (885)

The Anti-lock Brake System (ABS) continuously monitors the vehicle's brake system and prevents the wheels from locking regardless of the road condition and tyre grip.

It starts to regulate the braking pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even in the event of very heavy braking, for instance on bends or when swerving to avoid an obstacle. Even in the case of full-on braking, the ABS makes it possible to drive round an obstacle without releasing the brakes.

ABS control is made apparent though a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

Do not let this special safety feature tempt you into taking risks when driving.

Traffic safety can only be achieved by adopting a responsible driving style.



Control indicator (88) for ABS

If illuminates for several seconds when the ignition is switched on and the system undergoes a self-check at the same time (may be audible). The system is ready for operation when the control indicator goes off.

If the control indicator does not go out after a few seconds, or if it lights while driving, there is a fault in the ABS. The brake system remains operational without ABS regulation.

If there is a fault in ABS, the wheels may be subject to locking due to braking that is heavier than normal. The advantages of ABS are no longer operational. The vehicle can no longer be steered and may swerve.

You can continue driving, provided you drive with care and anticipation.

Have cause of fault remedied. We recommend that you consult a Vauxhall Authorised Repairer. The system's integrated self-diagnostics allows faults to be quickly remedied.

Wheels, tyres

Tyres

See page 268 for suitable tyres and restrictions.

Factory-fitted tyres are matched to the chassis and offer optimum driving comfort and safety.

Changing tyre / wheel type

Before switching to different tyres or wheels, seek advice on technical possibilities. We recommend that you consult a Vauxhall Authorised Repairer, who will be able to advise you of any necessary modifications. If tyres of a size different than those fitted at the factory are used, the electronic speedometer may require reprogramming to ensure that the correct speed is displayed.

Use of unsuitable tyres or wheels may lead to accidents and render the vehicle unroad-worthy.

Vehicles with

Tyre Pressure Control System *

When using winter tyres or you change to other tyre sizes, tyre pressure control system sensors can be retro-fitted if required. We recommend that you consult a Vauxhall Authorised Repairer. Otherwise the system will not indicate tyre pressure differences.

Tyre pressure control system \$ – see page 176.

Fitting new tyres

Fit tyres in pairs or in sets, which is even better. Ensure that tyres on one axle are

- the same size,
- the same design,
- the same make,
- and have the same tread pattern.

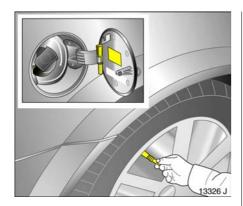
Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

Tyres fitted opposing the rolling direction (e.g. when a tyre is changed) should be refitted as soon as possible. This is the only way to obtain full benefit from the design properties of the tyre.

We recommend that you consult a Vauxhall Authorised Repairer to have the tyres replaced. A Vauxhall Authorised Repairer knows the legal regulations concerning the disposal of tyres and therefore protects the environment and your health.

Tyre inflation pressure

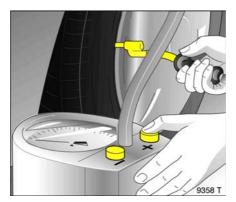
Check tyre pressures, including the spare wheel, at least every 14 days and prior to any long journey; the tyres should be checked when cold. Don't forget to check the spare.



Use the valve cap key to make it easier to unscrew the valve caps. The key is located on the inside of the tank flap. On vehicles with Tyre pressure control system *, there is an adapter in the valve cap key. For fitting the pressure gauge adapter to the valve – see page 176.

Tyre inflation pressures – see page 268 and label on inside of tank flap. After changing tyre sizes, have the label replaced.

Do not reduce tyre pressure when the tyres are warm. Otherwise the pressure may drop below the permissible minimum when the tyres cool down.



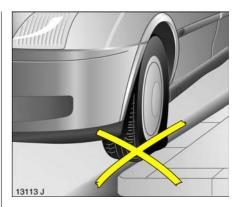
After having checked the tyre pressures, tighten the valve caps using the valve capkey.

Incorrect inflation pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

Hidden tyre damage is not eliminated by subsequently adjusting the inflation pressure.

Incorrect tyre pressure may result in tyre blow-out.



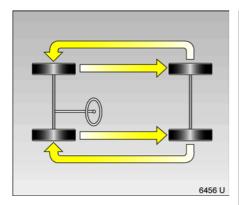
Tyre condition, wheel condition

Drive over edges slowly and at a right angle if possible. Driving over sharp edges can lead to hidden tyre damage and wheel damage which is only noticed later on.

When parking, ensure that the tyres are not pressed against the edge of the kerb.

Check tyres regularly for damage (foreign bodies, punctures, cuts, cracks, bulges in sidewalls). Check wheels for damage. In the event of damage or abnormal wear, consult a workshop. We recommend a Vauxhall Authorised Repairer.

Damage may lead to tyre blow-out.



Tread depth

Check tread depth regularly. If the front tyres show greater wear than the rear tyres, swap the front wheels with the rear wheels so that the tyres with deeper tread are on the front axle.

For reasons of safety, tyres should be replaced when their tread depth has wom down to 2 to 3 mm (winter tyres: 4 mm).



The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the wear indicators (TWI¹⁾). A number of wear indicators are spaced at equal intervals around the tyre within the tread. Their position is indicated by markings on the tyre sid ewall.

General information

- The danger of aquaplaning is greater if the tyres are worn.
- Tyres age, even if they are used only very little or not at all. A spare wheel which has not been used for six years should be used with care.

- Never fit used tyres the previous history and use of which you do not know.
- So as not to impair brake cooling, use only wheel trims approved for use on your vehicle.

Tyre designations Meanings:

e.g. 195/65 R 15 91 H

195 = Tyre width in mm

65 = Aspect ratio

(tyre height to tyre width) in %

= Belt type: **R**adial

15 = Rim diameter in inches

91 = Load index

e.g.: 91 represents 618 kg

H = Speed code

Speed code letters:

Q Up to 100 mph (160 km/h)

S Up to 112 mph (180 km/h)

T Up to 118 mph (190 km/h)

H Up to 130 mph (210 km/h)

V Up to 150 mph (240 km/h)

W Up to 168 mph (270 km/h)

¹⁾ TWI = Tread Wear Indicator.

Winter tyres

For notes on fitting new tyres – see page 184.

See page 268 for restrictions.

Winter tyres (M+S tyres) improve safety at temperatures below 7 °C and should therefore be fitted on all the wheels.

The design of summer tyres means they have limited qualities for winter driving.

If the maximum permissible speed for the winter tyres is less than that of the vehicle, a notice indicating the maximum permissible speed for the tyres must be affixed within the driver's field of vision¹⁾.

If you use the spare wheel when it is fitted with a summer tyre, the vehicle's driveability may be affected, especially on slip pery road surfaces. Obtain a replacement for the faulty tyre as soon as possible, and have the wheel balanced and fitted to the vehicle.



Tyre chains

See page 268 for restrictions.

Tyre chains are only permitted on the front drive wheels.

Always use fine mesh chains that add no more than 15 mm to the tyre tread and the inboard sides (including chain lock).

We recommend that you consult a Vauxhall Authorised Repairer.

Wheel trim on steel wheels could come into contact with parts of the chains and be damaged. Remove the wheel trim – see page 209.

Tyre chains may only be used at speeds up to 30 mph $(50 \text{ km/h})^{1)}$. When driving on roads that are free of snow, they may only be used for brief periods since they are subject to rapid wear on hard roads and could snap.

Temporary wheel *****

Tyre chains must not be used on the temporary spare wheel. If you need to use tyre chains after suffering a flat front tyre, fit the temporary spare on the rear axle and transfer one of the rear wheels to the front axle.

Wheel changing – see page 208.

Adjust tyre inflation pressure. Tyre pressure control system % – see page 176.

Varies from country to country on account of national regulations.

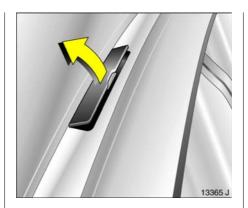
Roof racks, caravan and trailer towing

Disreg ard of these notes can lead to injuries which may be fatal. Vehicle passengers should be informed accordingly.

Roofracks *

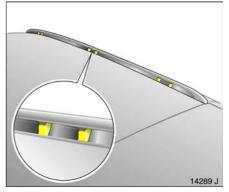
For reasons of safety and to avoid damaging the roof, we recommend that you use the Vauxhall roof rack system approved for your vehicle. Consult a Vauxhall Authorised Repairer.

Driving hints - see page 158.



Version without roof railingLift the covers from the fitting openings.

Attach roofrack at appropriate points, see enclosed roof luggage rack system instructions.



Version with roof railing *

Attach roof rack to roof railing at points shown in figure, see enclosed roof luggage rack system instructions.

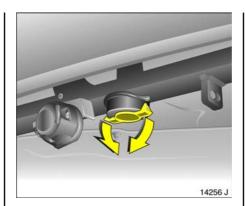
Towing equipment*

If the vehicle is not equipped with towing equipment, we recommend having it retro-fitted by a Vauxhall Authorised Repairer, who will provide information about possible trailer load increases. The Vauxhall Authorised Repairer has instructions on how to install the towing equipment and any modifications that are required to the vehicle that affect the cooling system or other equipment.

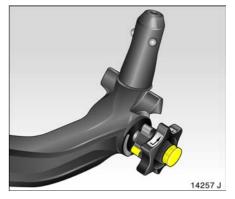
The coupling ball bar should be removed or folded away when not in use.

For installation dimensions of the trailer towing equipment – see pages 278, 279, 280.

Towing equipment with removable coupling ball bar*,
Version with turn knob *
Stowage of coupling ball bar
The coupling ball bar is stowed in a bag strapped to the spare wheel – see page 195.

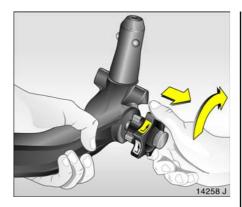


Fitting the coupling ball bar
Push ends of closure plugs together and
pull out of opening for coupling ball bar.
Stow the closure plugs in the luggage
compartment.



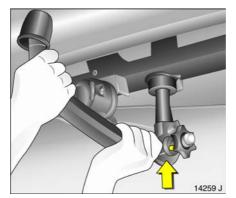
Checking the tensioning of the coupling ball bar:

- Red marking on turn knob points towards green marking on coupling ball bar.
- Gap of approx. 6 millimetres between rotary knob and coupling ball bar.
- Key is in lock.



Otherwise, the coupling ball bar must be tensioned before it is inserted into the coupling housing:

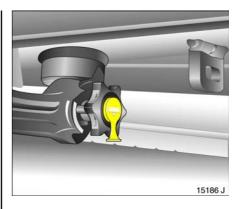
- Open coupling ball bar,
- Pull turn knob out and then turn it clockwise as far as it will go see figure.



Inserting the coupling ball bar.
Insert the coupling ball bar into the coupling housing and press the coupling ball bar firmly upwards until it engages in position.

The turn knob snaps back into its home position resting against the coupling ball bar.

Do not touch the turn knob when inserting the coupling ball bar - risk of injury.



Open coupling ball bar. Remove key and put on provided protective clip.

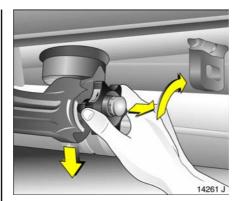
When the coupling ball bar is locked the turn knob can no longer be pulled out.

Im portant

Check that the coupling ball baris correctly attached:

- Red marking on turn knob points towards white marking on coupling ball bar.
- Nogap between turn knoband coupling ball bar.
- Coupling ball bar must be seated firmly in coupling housing.
- Coupling ball bar must be locked and key must be removed.

Towing a caravan / trailer is only permitted with a properly attached coupling ball bar. If the coupling ball bar cannot be properly attached, consult a work shop. We recommend that you consult a Vauxhall Authorised Repairer.

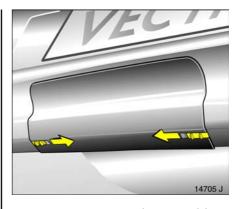


Dismounting the coupling ball bar Close coupling ball bar.

Pull the turn knob out and then turn it clockwise as far as it will go. Pull the coupling ball bar downwards out of the coupling housing and stow it in the luggage compartment – see page 195, Fig. 14086 J.

Insert the sealing plug in the hole for the coupling ball bar.

Do not use steam-jet cleaners or other high-pressure cleaners to clean the coupling ball bar.

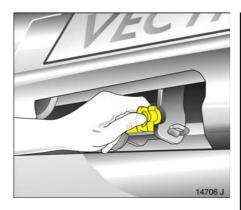


Towing equipment with removable coupling ball bar *, version with levers *

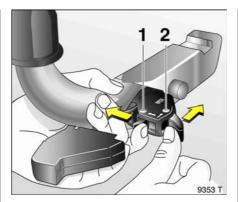
Stowage of coupling ball bar

The coupling ball bar is stowed in a bag strapped to the spare wheel – see page 195.

Fitting the coupling ball bar Removing the cover from the bumper cut-out: push the two slider catches towards each other and remove the cover downwards.



Remove the sealing plug from the hole for the coupling ball bar. Stow both parts in the luggage compartment.

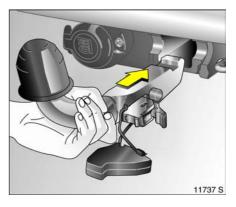


Checking the tensioning of the coupling ball bar:

Lever 1 must not protrude from the housing.

Otherwise, the coupling ball bar must be tensioned before it is inserted into the coupling housing:

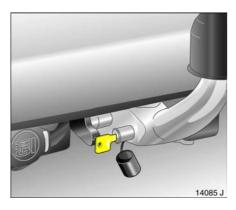
Push lever 1 to the left with left hand, at the same time pushing lever 2 forwards – see diagram.



Inserting the coupling ball bar:

Insert the coupling ball bar into the coupling housing by applying slight pressure and allow it to engage in position. It will lock automatically and loudly.

Fitthe protective cap to levers 1 and 2 and engage. If it does not engage, re-tension the coupling ball bar and repeat the fitting procedure. If necessary, consult a workshop. We recommend a Vauxhall Authorised Repairer.



Insert the key in the lock cylinder on the left-hand side of the coupling ball bar and lock. The longer side of the key grip must point downwards. Remove the key and fit the sealing cap to the lock cylinder.

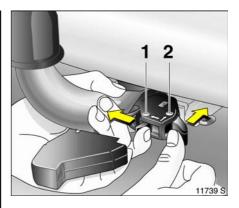
Imp or tant

Check that the coupling ball bar is correctly attached:

- Protective cap for levers 1 and 2 must be fitted and locked in place.
- Coupling ball bar must be seated fimly in coupling housing.
- Coupling ball bar must be locked and key must be removed.

Towing a caravan / trailer is only permitted with a properly attached coupling ball bar. If the coupling ball bar cannot be properly attached, consult a workshop. We recommend that you consult a Vauxhall Authorised Repairer.

Dismounting the coupling ball bar Remove the sealing cap from the lock cylinder. Insert the key in the lock cylinder and unlock. Remove the key and fit the sealing cap to the lock cylinder.



Remove the protective cap for levers 1 and 2.

Push lever 1 to the left with left hand.

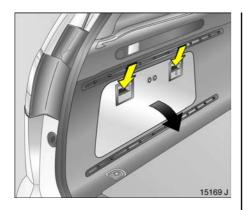
Push lever 2 forwards.

Pull coupling ball bar out of coupling housing.

Insert the sealing plug in the hole for the coupling ball bar.

Fitting the cover for the bumper cut-out. Push the two slider catches towards each other, insert the cover and slide the catches back outwards.

Do not use steam-jet cleaners or other high-pressure cleaners to clean the coupling ball bar.

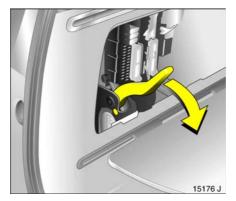


Towing equipment with pivoting coupling ball bar*

Folding out the coupling ball bar
The release lever is in the stowage

compartment to the left in the luggage compartment.

To open the stowage compartment, push both latches down and open the cover.



Push the release lever down; the LED remains lit as long as the coupling ball bar is not engaged. A warning buzzer also sounds and the coupling ball bar pivots down.

Make sure that no one is in the pivot zone of the coupling ball bar. Risk of bodily injury.



Pivot the coupling ball bar rearwards until it engages. The LED must go out and the warning buzzer must cease, otherwise repeat the procedure.

Important

Check that the coupling ball bar is correctly attached:

- LED is not lit
- No warning buzzer

Towing is only permissible if the coupling ball bar is fitted properly. If the coupling ball bar does not engage correctly, the LED does not go out or the warning buzzer does not stop sounding, consult a workshop. We recommend a Vauxhall Authorised Repairer.

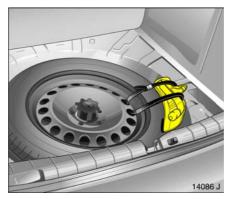


Stowing the coupling ball bar

Open the stowage compartment – see page 205.

Push the release lever down; the LED remains lit as long as the coupling ball bar is not engaged. A warning buzzer also sounds and the coupling ball bar pivots down.

Pivot the coupling ball bar to the right and up. The LED must go out and the warning buzzer must cease, otherwise repeat the procedure.



Stowing the removable coupling ball bar *

Stow the coupling ball bar in the bag and strap it to the spare wheel as shown in the figure.

Caravan and trailer loads1)

The permissible caravan / trailer loads are vehicle dependent and engine dependent maximum values which must not be exceeded. The actual caravan / trailer load is the difference between the actual gross weight of the caravan / trailer and the actual coupling socket load with the caravan / trailer attached. When the caravan / trailer load is being checked, therefore, only the caravan / trailer wheels – and not the jockey wheel – must be standing on the weighing apparatus.

The permissible caravan / trailer loads for your vehicle are given in the vehicle documents. Unless otherwise stated, they are valid for gradients up to max. 12 %.

⁾ Observe national regulations.

The permissible caravan / trailer load should be fully utilised only by drivers who are adequately experienced in towing large or heavy caravans / trailers.

The permissible caravan / trailer load applies up to the specified incline and up to an altitude of 1000 metres above sea level. Since engine power decreases as altitude increases because of the air becoming thinner, therefore reducing climbing ability, the permitted towing weight also decreases by 10 % for every 1000 metres of additional altitude. The towing weight does not have to be reduced when driving on roads with slight inclines (less than 8 %, e.g. motorways).

The actual caravan / trailer load plus the actual gross vehicle weight must not exceed the maximum permitted towing weight. For example, if the permitted gross vehicle weight is utilised, the caravan / trailer load must only be used until the maximum permitted towing weight is reached. The maximum permitted towing weight is shown on the identification plate – see page 250.

Coupling socket load

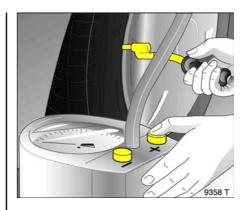
The coupling socket load is the load exerted by the caravan / trailer on the coupling ball. It can be varied by changing the weight distribution when loading the caravan / trailer.

The maximum permissible coupling socket load (78 kg) is specified on the towing equipment identification plate and in the vehicle documents. Always a im for the maximum load, especially in the case of heavy caravans / trailers. The coupling socket load should never fall below 25 kg.

When measuring the coupling socket load, make sure that the drawbar of the loaded caravan / trailer is at the same height as it will be when the caravan / trailer is coupled with the towing vehicle loaded. Particularly important for caravans / trailers with tandem axle.

Rear axle load during towing

When the caravan / trailer is coupled and the towing vehicle fully loaded (including all occupants), the permissible rear axle load (see identification plate or vehicle documents) may be exceeded by 40 kg (90 lbs). If the permissible rear axle load is exceeded, a maximum speed of 60 mph (100 km/h) applies. If national regulations specify a lower maximum speed for vehicles towing a caravan / trailer, this must be observed.



Tyre inflation pressure

Increase tyre pressure on the towing vehicle to the value specified for the $\log d$ – see page 268. Also check the tyre inflation pressure on the caravan / trailer wheels and the spare wheel.

Driving characteristics, towing tips

Before attaching the caravan / trailer, lubricate the ball of the caravan / trailer towing device. However, do not do so if a stabiliser, which acts on the coupling ball, is being used to damp hunting.

Handling is greatly influenced by the loading of the caravan / trailer. Loads should therefore be secured so that they cannot slip and be placed in the centre of the caravan / trailer if possible, i.e. above the axle.

When pulling trailers whose stability on the road is low, and caravans whose permitted total weight exceeds 1400 kg, speeds should be kept below 50 mph (80 km/h); the use of an anti-hunting damper is emphatically recommended.

Check caravan / trailer lighting before starting to drive. The fog tail lights on the vehicle are deactivated when towing a caravan or trailer.

Do not drive faster than 50 mph $(80 \, k\, m/h)$ if possible, even in countries where higher speeds are permitted.

Make sure that you have enough room when cornering and a void sud den manoeuvres.

If the caravan / trailer starts to sway, drive more slowly, do not attempt to correct the steering and brake sharply if necessary.

The cooling fan is electrically operated. Its cooling power is therefore independent of the engine speed.

Since a considerable amount of heat is generated at high engine speeds and less at slower speeds, do not shift down when climbing hills whilst the vehicle is still coping with the gradient in the higher gear.

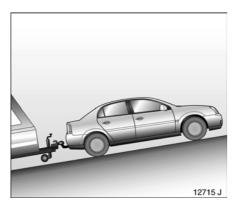
Diesel engine: On rising gradients of 10 % or more, do not drive faster than 20 mph (30 km/h) in 1st gear or 30 mph (50 km/h) in 2nd gear; with automatic transmission **, do not exceed 25 mph (40 km/h) in position 1.

The brakes are heavily loaded when towing a caravan / trailer down long gradients, so select the same gear as you would driving uphill and drive at roughly the same speed. The automatic transmission % or CVTronic % will automatically select the driving programme with the optimum engine braking effect.

If necessary, the gears can also be selected manually.

If it is necessary to apply the brakes fully, depress the brake pedal as hard as possible.

Remember that the braking distance for vehicles towing caravans / trailers with and without brake is always greater than that for vehicles not towing a caravan / trailer.



Starting on inclines

Vehicles with manual transmission:

The most favourable engine speed when starting off on an incline is between 2500 and 3000 rpm for petrol engines and between 2000 and 2200 rpm for diesel engines. Hold engine rpm constant, engage clutch gradually (let slip), release brake and open throttle. If possible, the engine speed should not drop during this procedure.

In vehicles with automatic transmission * or CVTronic *, use full throttle.

Before starting off under extreme conditions (high combination weight, mountainous terrain with steep inclines), switch off all unnecessary electrical loads (e.g. heated rear window, air conditioning system **, heated seats **).

Self-help

Diesel fuel system, bleeding

Never let the tank run dry! If control indicator ■ lights up, refuel as soon as possible. Refuel immediately if it flashes.

It is possible to restart the engine if the tank has been run dry. A delayed start is to be expected. Attempt to start the engine for a maximum of 60 sec onds. If the engine does not start, wait a few minutes and try again.

Do not start with quick charger

This prevents damage to electronic components.

Do not start by pushing or towing

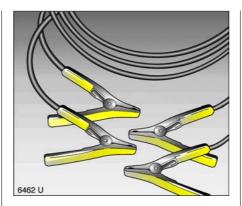
Because your vehicle is fitted with a catalytic converter, it must not be started by pushing or towing.

Disreg ard of these notes can lead to injuries which may be fatal. Vehicle passengers should be informed accordingly.

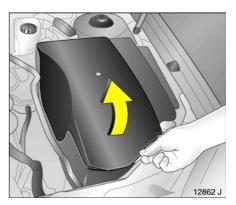
Starting the engine with jump leads *

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

This must be done with extreme care. Any deviation from the following instructions could lead to personal injury or damage resulting from battery explosion, as well as to damage to the electrical systems in both vehicles.

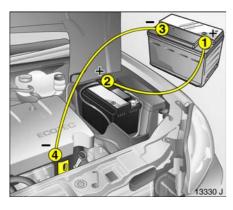


- Never expose the battery to naked flames or sparks.
- Do not allow battery fluid to come into contact with eyes, skin, fabrics or painted surfaces. The fluid contains sulp huric acid which can cause injuries and damage in the event of direct contact.
- Wear eye protection and protective clothing when handling a battery.
- Make sure that the battery providing the jump start has the same voltage as the battery in your vehicle (12 V). Its capacity (Ah) must not be substantially lower than that of the discharged battery. The voltage and capacity are stated on the battery.



- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- Apply handbrake. Transmission in neutral, automatic transmission * or CVTronic * in P.

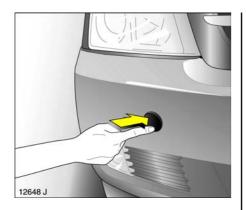
The battery is in a box at the front of the engine compartment, on the right-hand side as viewed from the front. To open the box, pull the cover forwards and swing it upwards.



Connect the leads in the order shown in the figure:

- Connect one end of the first jump lead to the positive terminal 1 of the battery providing the jump start (identified by "+" sign on battery case or terminal).
- Connect the other end of this lead to the positive terminal 2 of the discharged battery ("+" sign).
- Connect the first end of the other jump lead to the negative terminal 3 of the battery providing the start ("-" sign).
- Connect the other end of the second jump lead 4 to ground on the other vehicle, e.g. engine block or screw connection in the engine suspension.

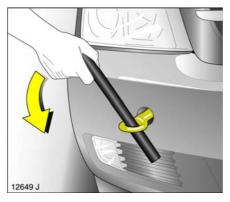
- Do not connect leads to negative terminal of discharged battery!
- The connection point should be as far away from the discharged battery as possible.
- Route the leads so that they cannot catch on rotating parts in the engine compartment.
- The engine of the vehicle providing the jump start can be allowed to run during starting. Attempts to start the engine of the vehicle with the discharged battery should be made at intervals of one minute and should not last longer than 15 seconds. After starting, allow both engines to idle for approx. 3 minutes with the leads still connected.
- In order to a void excess voltage in the electrical system, before removing a lead, switch on an electrical consumer (e.g. light, heated rear window) in the vehicle receiving the jump start.
- Reverse above sequence exactly when removing leads.



Towing the vehicle

To open the cover concealing the towing eye socket at the front right of the vehicle: disengage the cover at the bottom by pressing and pull it off downwards.

The towing eye is located in the compartment containing the jack and vehicle tools undemeath the spare wheel in the luggage compartment. Vehicle jack and tools – see page 208.



Screw in the towing eye anti-clockwise as far as it will go and use the wheel bolt wrench to tighten it until it is fully horizontal. Vehicle tools – see page 208.

Attach the tow rope % – or better still a tow rod % – to the eye.

Switch on ignition to release steering column lock and to permit operation of brake lights, horn and windscreen wiper.

Manual transmission in neutral, automatic transmission * or CVTronic * in N.

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

Significantly greater force is required for braking: the brake servo unit is only operational when the engine is running.

Considerably greater steering force is necessary since this unit is operative only when the engine is running.

To prevent the entry of exhaust fumes from the towing vehicle, switch on the air recirculation * and close the windows.

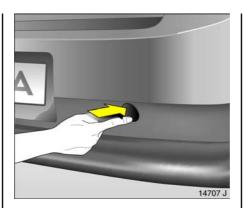
Vehicles with automatic transmission should be towed facing forwards only and must not be towed faster than 50 mph (80 km/h) or further than 60 miles (100 km). If the transmission is defective, or if the above speed or distance is to be exceeded, the front axle must be raised off the ground.

Vehicles with CVTronic ♣, always tow forward, no faster than 15 mph (25 km/h) and no further than 50 miles (80 km). If transmission is damaged or driving at faster speeds or longer distances, lift vehicle at front axle.

Consult a workshop. We recommend a Vauxhall Authorised Repairer, who will serve you best to get your vehicle back on the road.

Towing service

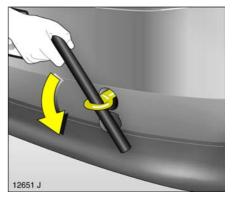
Entrust your vehicle only to the towing service of your choice and obtain an estimate on towing costs before employing any towing service. In this way you avoid unnecessary costs and possible insurance problems during claim processing.



Towing another vehicle

To open the cover concealing the towing eye socket at the rear right of the vehicle: disengage the cover at the bottom and pull it off downwards.

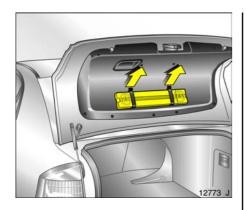
The towing eye is located in the compartment containing the jack and vehicle tools underneath the spare wheel in the luggage compartment. Vehicle jack and tools – see page 208.



Screw in the towing eye anti-clockwise as far as it will go and use the wheel bolt wrench to tighten it until it is fully horizontal. Vehicle tools — see page 208.

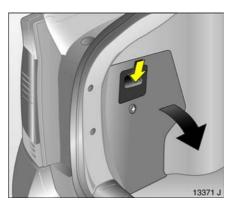
Attach the towrope % – or better still a tow rod % – to the eye.

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.



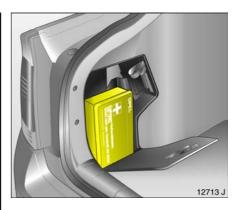
Warning triangle <u>▲</u> *, Saloon

The warning triangle is secured to the boot lid with retaining clips (see figure). Slide the triangle up and out of the clips. In some editions, the warning triangle is stowed together with the first-aid kit in a stowage compartment in the left-hand side trim.



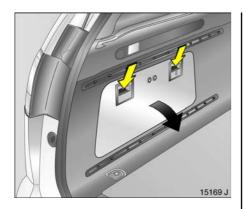
First-aid kit 🖶 🖔 Saloon

The first-aid kit / cushion is stowed in a stowage compartment in the left-hand side trim.



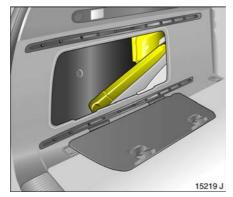
To access press down bar and open the cover.

When loading the vehicle, always make sure the first-aid kit is accessible.



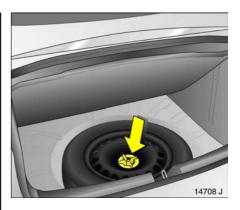
Warning triangle ▲*, First-aid kit ⊕*, Estate

The warning triangle and first-aid kit / cushion are stored in a stowage compartment in the left-hand side trim.



To open, press down both latches in the cover and open.

When loading the vehicle, always make certain that the warning triangle and first-aid kit are easily accessible.



Spare wheel

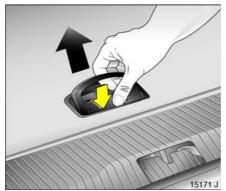
The spare wheel is located in the luggage compartment under the floor cover. It is secured with a plastic wing nut.

To open the floor cover, pull up the handle or strap.

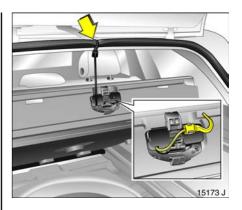


Estate

The spare wheel is located in the luggage compartment under the load floor. It is secured with a plastic wing nut.



To open the load floor, pull the release lever and lift the load floor completely.



Disengage the hook * located on the underside of the handle and suspend it from the upper sealing edge so that the load floor remains open.

General information

Depending on version, the spare wheel may take the form of a temporary spare wheel **. Refer to the notes on pages 187, 212, 268.

On vehicles with alloy wheels * the spare wheel may have a steel rim.

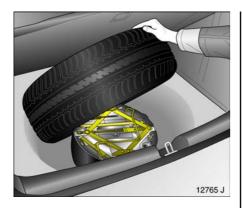
If you use winter tyres *, the spare wheel may still be fitted with a summer tyre. If you use the spare wheel the vehicle's handling may be altered. Obtain a replacement for the faulty tyre as soon as possible, and have the wheel balanced and fitted to the vehicle.

The spare wheel may have a smaller tyre and a smaller rim than the standard tyres: using the spare wheel may alter driving characteristics. Replace a defective tyre as soon as possible, have the wheel balanced and fitted to the vehicle.

Notes on temporary spare wheel *

- Using a temporary spare wheel may change the driving behaviour of the vehicle, particularly if using winter tyres *. Replace defective tyre as quickly as possible, balance wheel and fit to vehicle.
- Fit only one temporary spare wheel.
- Do not drive faster than 50 mph (80 km/h).
- Take bends slowly.
- Do not use the temporary spare wheel for a lengthy period.

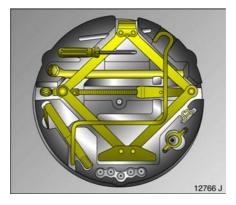
- Replace temporary spare wheel with full specification wheel without delay.
- Do not use tyre chains. If you need to use tyre chains after suffering a flat front tyre, fit the temporary spare wheel on the rear axle and transferone of the rear wheels to the front axle. Check the tyre pressure and adjust it if necessary.
- Follow temporary spare wheel instructions on pages 187, 212, 268.



Jack 🖨 and vehicle tools

The jack and the vehicle tools have been specially developed for your vehicle and must only be used on that vehicle. Only use jack for changing wheels.

The jack and the vehicle tools are in a stowage compartment in the luggage compartment beneath the spare wheel. Opening the floor cover – see pages 205, 206.



After use, stow away the jack and tools in the compartment as shown in figure.

Changing wheels

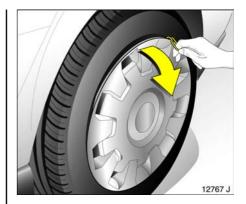
In order to reduce the chance of possible injuries, make the following preparations and note the procedure:

- Park on a level, firm and non-slippery surface.
- Switch on hazard warning system and apply handbrake. With automatic transmission ※ or CVTronic ※ move selector lever to park position P, and with manual transmission select 1st gear or reverse gear.
- Correctly set up the warning triangle. Warning triangle see page 204.

- Take the spare wheel from the luggage compartment.
- Before raising the vehicle, set the front wheels to the straight-ahead position.
- Never change more than one wheel at once.
- Block the wheel diagonally opposite the wheel to be changed by placing wedge blocks or equivalent in front and behind the wheel
- Use the jack only to change wheels.

- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.

 Using a thicker board could damage the jack and the vehicle.
- No people or animals may be in the vehicle when it is jacked up.
- Never crawl under a jacked-up vehicle.
- Do not start or run the engine while the vehicle is on the jack.

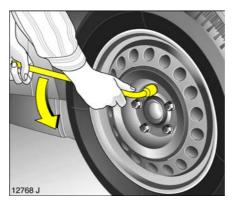


 Prise off the wheel cover using the hook included with the vehicle tools. Vehicle tools – see page 208.

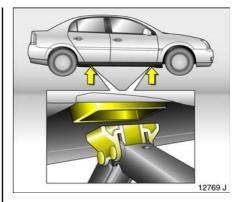
Anti-theft wheel trims – see page 211.



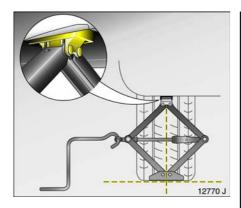
Alloy wheels *: Prise off the wheel bolt caps using a screwdriver and remove them.



Slacken wheel bolts using a wheel bolt socket wrench, putting socket wrench on as far as it will go.

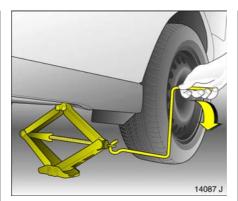


3. There are plastic retainers at the front and rear of the vehicle underbody for positioning the jack. The location of each retainer is indicated by a mark on the bottom edge of the vehicle.



4. Set the jack to the necessary height by rotating the eye of the jack by hand. Position the jack at the front – or rear – so that the jack head fits in the plastic retainer on the vehicle underbody. Make sure it is positioned correctly.

The jack base must be on the ground directly below the jacking point.



Attach crank to eye of threaded rod and turn crank to raise vehicle.

If this is not the case, carefully lower the vehicle immediately and reposition the jack.

- 5. Unscrew wheel bolts and put somewhere where the threads will not be soiled.
 - If the wheel trims are the anti-theft type they will be removed together with the wheel holts.
- Change the wheel. For notes on the spare wheel – see page 205. For notes on the temporary spare wheel – see page 207.



 Screw in wheel bolts and tighten slightly, inserting the wheel bolt wrench as far as the stop.

If wheel trims are anti-theft type, first fit wheel trim and click it into place. Valve symbol on back of wheel trim must point towards valve on wheel.

- 8. Lower vehicle.
- 9. Tighten wheel bolts crosswise, putting on wheel bolt wrench as far as possible.



10. Align and refit wheel trim or wheel bolt caps *.

Before refitting the wheel cover clean the wheel around the retaining clips. Valve symbol * on back of wheel cover must point towards valve on wheel.

Alloy wheels *: align and refit wheel bolt caps *.

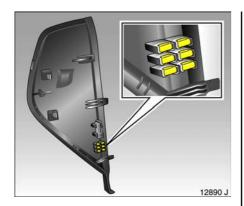
- 11.Stow away replaced wheel, tools and waming triangle in the luggage compartment.
- 12. Have the tightening torque of the wheel bolts on the new wheel checked on the vehicle using a torque wrench as soon as possible and, if necessary, corrected. Tightening torque see page 268.
- 13. Replace the faulty tyre on the wheel that was removed.
- 14. Replace temporary spare wheel * with a full specification wheel without delay.

Electrical system

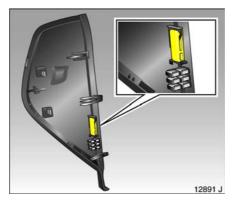
Electronic ignition systems generate very high voltages. Do not touch the ignition system; high voltage can be fatal.

Fuses

There are three fuseboxes in the vehicle: in the passenger compartment on the far left of the dashboard, in the luggage compartment on the left in the stowage compartment, and in the engine compartment front left.



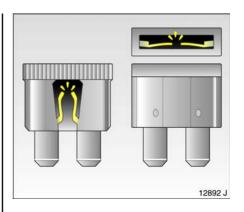
It is advisable to carry a full set of fuses – available from any Vauxhall Authorised Repairer. Store spare fuses at rear of fusebox cover on instrument panel. See next page for how to open cover.



Before replacing a fuse, turn off the respective switch and the ignition.

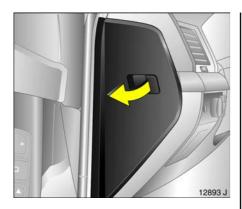
A defection fuse (Fig. 12892 J) can be recognised by its melted wire. A new fuse should only be installed after the cause of the fault has been rectified.

There is a fuse extractor on the rear of the fusebox cover on the instrument panel for changing fuses – see figure above.



Only fit fuses of the specified current rating. Each fuse has its current rating written on it, in addition the ratings are colour coded.

Fuse	Fuse
colour	rating
Light brown	5 A
Brown	7.5 A
Red	10 A
Light blue	15 A
Yellow	20 A
White	25 A
Light green	30 A
Orange	40 A
Dark blue	60 A



Fuses and the most important circuits they protect

Fusebox in passenger compartment

The fusebox is on the left, on the outside of the instrument panel. Open door. Disengage cover by pulling firmly and remove.

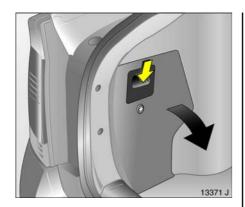
Spare fuses, fuse extractor – see page 213.



Some circuits may be protected by several fuses.

No.	Circuit	Rating
1	Radio	20 A
2	Interior fan, heating, air conditioning system	7.5 A
3	Sun roof	20 A
4	_	_
5	Door module control unit	7.5 A
6	Brake light	7.5 A
7	Bodywork module control unit	30 A
8	Control unit Front passenger door module	30 A
9	Central control unit	7.5 A

No.	Circuit	Ratin
10	Control unit Steering column module	7.5 A
11	Diagnostics plug	7.5 A
12	$\hbox{\tt Battery overload protection}$	15 A
13	_	_
14	_	_
15	Control unit Driver's door module	30 A
16	_	-
17	Instruments,	
	information display	15 A
18	Control unit Driver's door module	30 A
19	-	-
20	Yaw sensor (ESP)	7.5 A
21	Telematics	7.5 A
22	Ciga <i>r</i> ette lighter	30 A
23	Interior fan,	
	air conditioning system electronic air conditioning	30 A
	system	40 A
24	_	-
25	Heating, air conditioning system	7.5 A
26	Instruments, information display	7.5 A



Fusebox in luggage compartment

The fusebox is located on the left side of the luggage compartment, in the stowage compartment.

<u>Saloon:</u> press the latch down and open the cover.

<u>Estate</u>: press both latches down and open the cover and interior trim.

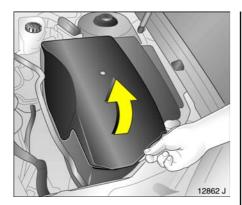
Spare fuses, fuse extractor – see page 213.



Some circuits may be protected by several fuses.

No.	Circuit	Rating
1	_	_
2	_	_
3	Electric seat adjustment	40 A
4	Heated rear window	40 A
5	Electric seat adjustment	40 A
6	Power windows	30 A
7	Power windows	30 A
8	Seat heating, rear right	15 A
9	Horn,	15 A
	anti-theft alarm system	
10	Fuel pump	20 A

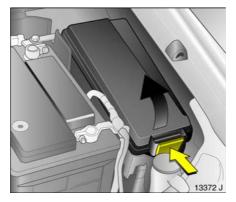
No.	Circuit	Rating
11	Battery voltage, terminal 30	25 A
12	Seat heating, rear left	15 A
13	Towing equipment	20 A
14	Rear window wiper	15 A
15	Seat heating, front left	15 A
16	Seat heating, front right	15 A
17	Seat climate control	7.5 A
18	_	-
19	Twin Audio, Travel Assistant	10 A
20	_	-
21	Anti-theft alarm system	5 A
22	Ultrasonic sensor, anti-theft alarm system	5 A
23	Glass breakage sensor (anti-theft alarm system)	7.5 A
24	Battery voltage, terminal 30	25 A
25	_	-
26	Travel Assistant	25 A
27	Seat occupancy recognition,	7.5 A
	tyre pressure monitoring system rain sensor,	
20	air conditioning system	7 5 1
	Parking distance sensors	7.5 A
29	_	_



Fusebox in engine compartment
The fusebox is in the box at the front left side of the engine compartment.

Switch off engine before opening the fusebox in the engine compartment, risk of injury.

Top open, disengage front cover and open from top.

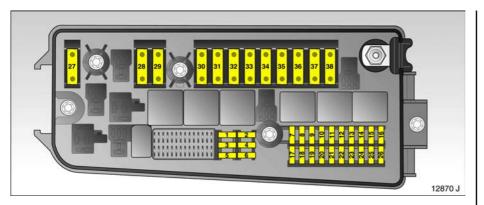


Disengage the bar at the front of the cover of fusebox and swing it upwards.

Spare fuses, fuse extractor – see page 213.

Some circuits may be protected by several fuses.

No.	Circuit	Rating
1	Engine electronics, transmission electronics	30 A
2	Starter	30 A
3	Horn	20 A
4	Air conditioning system, electronic air conditioning	
	system	10 A
5	Windscreen wash system	15 A
6	_	_



No.	Circuit	Rating
7	Central control unit, TC , ESP	20 A
8	Front headlights	10 A
9	Power steering, Wash jets	10 A
10	_	_
11	Wind screen wiper	30 A
12	Wind screen wiper	30 A
13	${\sf Central\ control\ unit, TC, ESP}$	7.5 A
14	Headlight wash system	30 A
15	Engine control unit ¹⁾	10 A
16	ABS	7.5 A

No.	Circuit	Rating
17	_	_
18	-	_
19	Head light range adjustment,	5 A
	Xenon headlight system	15 A
20	_	_
21	_	_
22	-	_
23	Auxiliary heating	20 A
24	Battery voltage, terminal 30	30 A
25	Battery voltage, terminal 30	30 A
26	_	-

No.	Circuit	Ratino
27	_	_
28	Tailgate module control unit	60 A
29	ABS	40 A
30	Tailgatemodulecontrolunit	60 A
31	Vehicle interior module	
	control unit	60 A
32	ABS	40 A
33	Vehicle interior module	
	control unit	60 A
34	Tailgatemodulecontrolunit	60 A
35	Cooling fan ¹⁾	30 A
		40 A
36	Cooling fan ¹⁾	20 A
	_	30 A
		40 A
37	_	-
38	_	_

The brake lights are on all the time if the fuse is defective and the ignition is switched on.

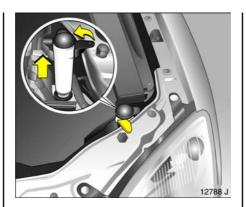
¹⁾ Depending on engine.

Bulb replacement

Before replacing a bulb, switch ignition off and switch relevant switch off.

Only hold new bulb at base! Do not touch the bulb glass with bare hands, otherwise fingerprints on the glass evaporate. Residue builds up on the reflector eventually resulting in a dull reflector. Inadvertently stained bulbs may be cleaned with a clean non-fluffy cloth, using alcohol or white spirits.

Replacement bulb must be in accordance with data on base of defective bulb. Do not exceed wattage given on bulb base.

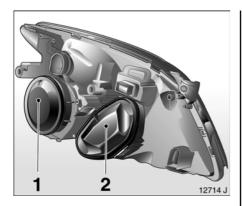


When changing lights on the left-hand side, remove filler neck from windscreen wash system bottle to gain better access: disengage retaining clamp and withdraw filler neck by pulling upwards. Wash fluid may escape if the bottle is full.

Protect the environment. Do not allow wash fluid to seep into the ground or drain into the sewage system.

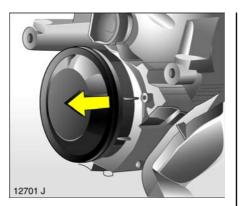
Headlight aiming

We recommend that headlight aiming be carried out by a Vauxhall Authorised Repairer, who will have special equipment.



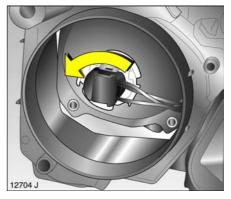
Halogen headlight system dipped and main beam

Headlights with separate systems for dipped beam 1 (outer bulbs) and main beam 2 (inner bulbs).



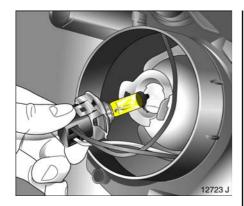
Dipped beam

- 1. Open bonnet.
- When replacing bulbs on the left side, remove the screenwash bottle filler neck – see page 218.
- 3. Remove dipped head light protective cover.

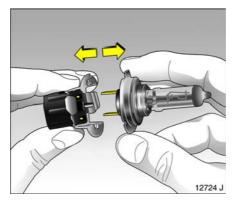


 ${\it 4.}\ {\it Rotate left bulb carrier and disengage}.$

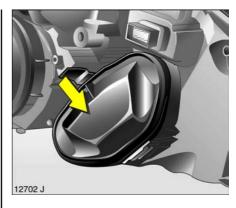




5. Remove the bulb holder with bulb from the reflector.

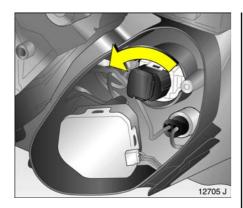


- 6. Detach bulb from bulb mounting.
- 7. Insert new bulb into bulb mounting, without touching the glass.
- 8. Insert new bulb so that the two lugs on the bulb mounting engage in the recesses in the reflector.
- 9. Rotate bulb carrier to right as far as it will go.
- 10. Place head light protective cover in position and close.
- 11. When changing bulbs on the left-hand side, refit the filler neck of the headlight fluid container and click it home.

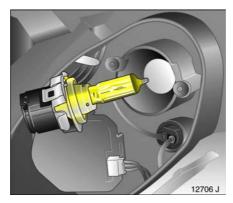


Main beam

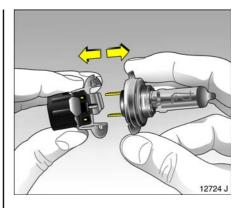
- 1. Open bonnet.
- When replacing bulbs on the left side, remove the screenwash bottle filler neck – see page 218.
- 3. Remove main beam headlight protective cover.



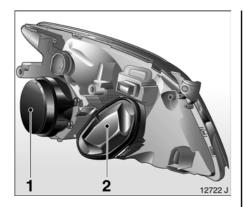
4. Rotate left bulb carrier and disengage.



5. Remove the bulb holder with bulb from the reflector.



- 6. Detach bulb from bulb mounting.
- 7. Insert new bulb into bulb mounting, without touching the glass.
- 8. Insert new bulb so that the two lugs on the bulb mounting engage in the recesses in the reflector.
- 9. Rotate bulb carrier to right as far as it will go.
- 10. Place headlight protective cover in position and close.
- 11. When changing bulbs on the left-hand side, refit the filler neck of the headlight fluid container and click it home.

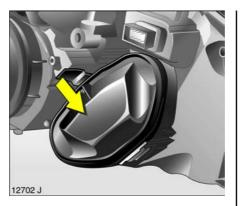


Xe non headlight system, dipped and main beam

Headlights with separate systems for dipped beam 1 (outer bulbs) and main beam 2 (inner bulbs).

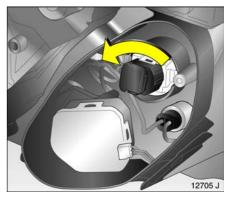
Dipped beam

The xenon headlight dipped beam operates at very high voltage. Do not touch; high voltage can be fatal. Have bulbs changed by a workshop. We recommend a Vauxhall Authorised Repairer.

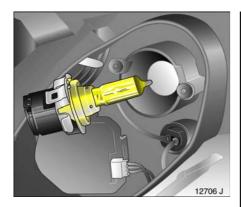


Main beam

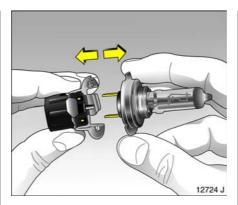
- 1. Open bonnet.
- 2. When replacing bulbs on the left side, remove the screenwash bottle filler neck see page 218.
- 3. Remove main beam head light protective cover.



4. Rotate left bulb carrier and disengage.



5. Remove the bulb holder with bulb from the reflector.



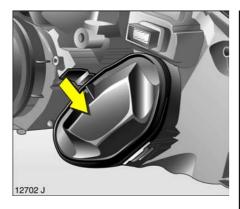
- 6. Detach bulb from bulb mounting.
- 7. Insert new bulb into bulb mounting, without touching the glass.
- 8. Insert new bulb so that the two lugs on the bulb mounting engage in the recesses in the reflector.
- Rotate bulb carrier to right as far as it will go.

- 10. Place headlight protective cover in position and close.
- 11. When changing bulbs on the left-hand side, refit the filler neck of the headlight fluid container and click it home.

Adaptive Forward Lighting *

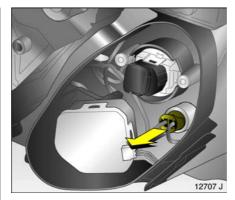
Xenon headlight system for main and dipped beam together with curve illumination based on steering angle.

Xenon headlights operate at very high electrical voltage. Do not touch. Danger to life. The bulbs for dipped beam, main beam, parking lights and turn signals should only be replaced by a workshop. We recommend a Vauxhall Authorised Repairer.

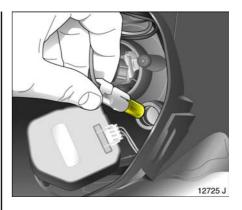


Parking lights

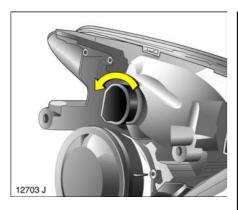
- 1. Open bonnet.
- When replacing bulbs on the left side, remove the screenwash bottle filler neck – see page 218.
- 3. Remove main beam headlight protective cover.



4. Remove parking light bulb holder from reflector.

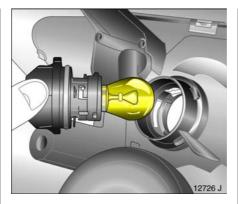


- 5. Remove bulb from socket.
- 6. Insert new bulb, without touching the glass.
- 7. Insert holder in reflector. Place headlight protective cap in position and close.
- 8. When changing bulbs on the left-hand side, refit the filler neck of the headlight fluid container and click it home.



Front turn signal light

- 1. Open bonnet.
- When replacing bulbs on the left side, remove the screenwash bottle filler neck – see page 218.
- 3. Rotate bulb holder to left and disengage.

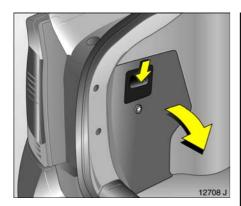


- 4. Push bulb into holder a little, rotate left and remove.
- 5. Insert new bulb, without touching the glass.

- 6. Insert light holder in reflector, rotate clockwise and engage in position.
- 7. When changing bulbs on the left-hand side, refit the filler neck of the headlight fluid container and click it home.

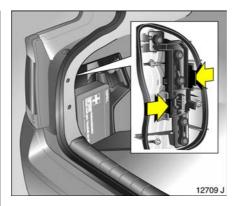
Front fog lights *

We recommend that you have bulbs changed by a Vauxhall Authorised Repairer.



Turn signal, brake, tail, fog tail and reversing lights Saloon

1. Open the stowage compartment by pressing the bar down.

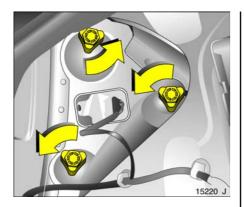


- 2. Detach plug connector from bulb mounting.
- Press the two retaining lugs on outer edges of bulb mounting towards each other and remove bulb mounting.

Bulbs from top to bottom: Turn signal light Tail light / brake light Tail light Fog tail light¹⁾ Reversing light

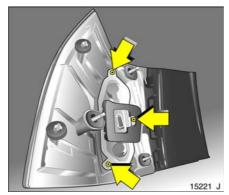
- 4. Remove bulb from socket.
- Insert new bulb without touching the glass. Fit bulb mounting into bulb housing. Connect plug. Close stowage compartment.

1) Country-specific version: fog tail light on lefthand side only. The bulb fitted on the right hand side can be used as a spare.

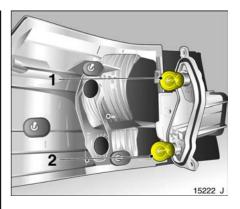


Estate

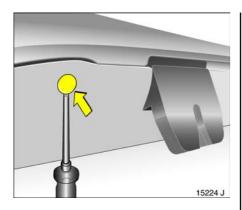
- Open the compartment on the left or right-hand side by pressing the latch down – see page 205.
- 2. Hold the bulb housing from the outside, use a wheel nut wrench to loosen the retaining nuts and unscrew them by hand. Remove the bulb housing to the rear. Wheel nut wrench see vehicle tools, page 208.
- 3. Detach the cable from the bulb housing.



 Undo the three screws using a screwdriver and detach the bulb mounting.

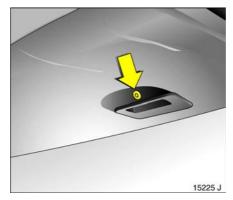


- 5. Remove the bulb from the socket. Bulbs in bulb mounting:
 - 1 = Brake / reversing light
 - 2 = Turn signal light
- 6. Fit a new bulb without touching the glass. Refit the bulb mounting and screw it into place. Position the light housing in the vehicle body and screw it into place. Close the compartment in the side trim.

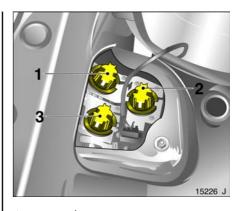


Tailgate lights

1. Use a screwdriver to prise off the plastic plugs in the tailgate panelling to the right and left of the tailgate lock.

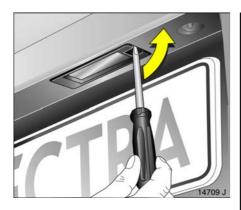


- 2. Use the Torx screwd river found with the vehicle tools to remove the screw from the handle in the inner panelling.
- 3. Remove the inner panelling and clips from the tailgate.



- 4. Unscrew the mounting in question:
 - 1 = Tail light
 - 2 = Fog tail light
 - 3 = Reversing light
- 5. Remove bulb from socket.
- 6. Fit a new bulb without touching the glass. Refit the mounting in the tailg ate.
- Refit the inner panelling to the tailgate using the clips. Tighten the screw in the handle. Refit the plastic plugs in the openings.

Bulb replacement should be entrusted to a workshop. We recommend a Vauxhall Authorised Repairer.

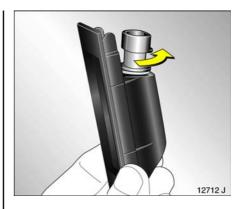


Number plate light

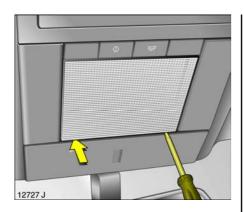
 Insert screwdriver vertically into light insert as shown in figure, press to the side and disengage spring.



- 2. Remove the bulb housing downwards without pulling on the lead.
- 3. Raise lug and detach connector from bulb mounting.



- 4. Rotate bulb holder anti-clockwise and disengage.
- 5. Remove bulb from socket.
- 6. Insert new bulb, without touching the glass.
- 7. Insert holder in light housing and engage by turning clockwise.
- 8. Insert bulb socket in light housing.
- 9. Insert the bulb housing and lock it in place.



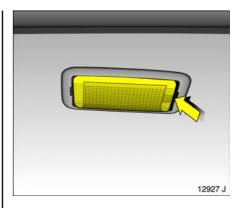
Front courtesy light and reading lights $\boldsymbol{\$}$

Before removal, close the doors so that the light is not live.

1. Lever the lens out of the housing recesses.



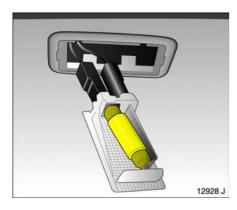
- 2. Remove bulb from socket.
- 3. Insert new bulb, without touching the glass.
- 4. Mount lens and engage in position.



Glove compartment lighting, luggage compartment lighting, and footwell lighting *

Before removal, close the doors or hold the contact switch pressed down so that the light is not live.

1. Prise the light out with a screwdriver.



- 2. Press bulb slightly towards spring clip and remove.
- 3. Insert new bulb, without touching the glass.
- 4. Insert light in opening and engage in position.

Rear courtesy lights *, rear reading lights *

We recommend that you have bulbs changed by a Vauxhall Authorised Repairer.

Instrument illumination, Information display illumination *

We recommend that you have bulbs changed by a Vauxhall Authorised Repairer.

If you have a problem

In our experience the most common cause of all comp laints is the result of misunderstanding or lack of communication between the customer and the Vauxhall Authorised Repairer.

We sincerely hope you will never have cause to complain about your vehicle. However, if things do go wrong, the best course of action for you to take is to contact your Vauxhall Authorised Repairer's Service Reception Staff and explain the difficulty you are having. We are confident they will do their utmost to resolve the problem to your complete satisfaction.

Sometimes, however, despite the best of intentions of all concerned, misunderstandings can occur. If your problem has not been resolved to your satisfaction, please make an appointment to discuss the matter with the Manager of

the department concerned.

The majority of areas of concern can be quickly resolved in this way.

Should you wish to pursue the matter further, the Principal of the Vauxhall Authorised Repairer should be made aware of your concern. It is advisable in cases such as this to write to him to confirm your problem and the solutions that have been offered.

You can be assured the Authorised Repairer's Principal will only be too anxious to fully investigate your problems and correct any errors made. After all, he has a large investment in his business and is proud of his reputation and professionalism and fully realises that satisfied customers are his key to success.

In the unlikely event that you are still not happy with the answer your Vauxhall Authorised Repairer has given, or the action he proposes to correct the problem, you may contact the Customer Care Department¹⁾ where a team of Customer Care Consultants will spare no effort to ensure your complete satisfaction.

Vauxhall Motors Ltd.

Customer Care, Griffin House, Osborne Road, LUTON, Beds., LU1 3YT Telephone: 01582427200 They will review all the facts involved. Then if it is felt some further action can be taken, the Vauxhall Authorised Repairer will be advised accordingly. In any case, your contact will be acknowledged confirming Vauxhall Motors' position in the matter.

If you are not satisfied with the outcome, you can if you wish, seek advice from an independent third party such as:

Automobile Association (A.A.) Fanum House, BASINGSTOKE, Hants., RG21 2EA

Royal Automobile Club (R.A.C.), R.A.C. Motoring Services Ltd., 89-91 Pall Mall, LONDON, SW1Y S45

The Customer Relations Department, Society of Motor Manufacturers and Traders Ltd. (S.M.M.T.), Forbes House, Halkin Street, LONDON. SW1X 7DS

Customer Complaints Service, Scottish Motor Trade Association, (S.M.T.A.), 3 Palmerston Place, EDINBURGH, EH 12 5AQ

The National Conciliation Service, Retail Motor Industry Federation, 9 North Street, RUGBY, CV21 2AB

If you have a problem whilst abroad: The Service Departments of Adam Opel AG and General Motors branches everywhere will provide information and assistance

Calls may be monitored and recorded for training purposes.

Opel Austria Vertriebs GmbH Groß-Enzersdorfer Str. 59 **1220 Vienna – Austria** Tel. 01-2 88 77 444 or 01-2 88 77 0

Opel Belgium N.V. Prins Boudewijnlaan 30 **2550 Kontich – Belgium** Tel. 03-4-50 63 11

Opel C & S spol. s.r.o.

Na Pankráci 26

140 00 Pra gue 4 – Czech Republic

Tel. 02-61 21-88 21

General Motors Danmark Jaegersborg Alle 4 **2920 Charlottenlund – Denmark** Tel. 39 97 85 00

Vauxhall Motors Ltd.
Customer Care
Griffin House, Osborne Road
Luton, Bedfordshire, LU1 3YT – England
Tel. 0 15 82-42 72 00

Opel Oy Pajuniityntie 5 **00320 Helsinki – Finland** Tel. Helsinki 61 58 81

General Motors France
1 – 9, avenue du Marais
Angle Quai de Bezons
95101 Argenteuil Cedex – France
Tel. 1-34 26 30 00

ADAM OPEL AG Bahnhofsplatz 1 **65423 Rüsselsheim – Germany** Tel. 0 61 42-77 50 00 or 0 61 42-7 70 Opel Hellas S.A.
56 Kifisias Avenue & Delfon str.
Amarousion
151 25 Athens – Greece
Tel. 1-6 80 65 01

Opel Southeast Europe Ltd. Szabadsag utca 117 **2040 Buda örs – Hungary** Tel. 06-23 446 100

General Motors India Sixth Floor, Tower A Glob al Business Park Mehrauli - Gurgaon Road **Gurgaon - 122 022, Haryana, India** Tel. 0091 124 280 3333

Opel Ireland Ltd.
Opel House, Unit 60, Heather Road
Sandyford, Dublin 18 – Ireland
Tel. 01-216 10 00

Opel Italia S.p.A.
Piazzale dell'Industria 40
00144 Rome – Italy
Tel. 06-5 46 51

For **Luxembourg** – contact Opel Service Department in Kontich – Belgium

Opel Nederland B.V. Baanhoekweg 188 **3361 GN Sliedrecht – Netherlands** Tel. 0 78-642 21 00

General Motors Norge AS Kjeller-Vest 6 2027 Kjeller – Norway Tel. 23 50 01 04 General Motors Poland Sp. z o. o. Domaniewska 41 **06-672 Warsaw – Poland** Tel. 0 22-606 17 00

Opel Portugal Quinta da Fonte Ed. Fernão Magalhã es, Piso 2 Porto Salvo **2780 Oeira** s – **Portugal** Tel. 01-4 40 75 00

Opel España de Automóviles S.A. Paseo de la Castellana, 91 **28046 Madrid – Spain** Tel. 902 25 00 25

Saab Opel Sverige AB Esbogatan 8 **164 74 Kista – Sweden** Tel. 08-6328500

Opel Suisse S.A. Salzhausstraße 21 **2501 Biel/Bienne – Switzerland** Tel. 0848 810 820 or 0 32-3 21 51 11

Opel Türkiye Ltd. Sti. Kemalp asa yolu üzeri **35861 Torb ali/Izmir – Turkey** Tel. 02 32-8 53-14 53

In Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Macedonia, Romania, Slovenia and Yugoslavia please contact the Opel Service Department in Budaörs – Hungary Tel. 00 36-23 446 100

Maintenance, Inspection system

In order to guarantee economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified by Vauxhall.

The oil change and service intervals are flexible, based on a number of different parameters and the conditions under which the vehicle is used. Various enginespecific data is continuously recorded and used to calculate the remaining distance up to the next inspection date.



The remaining driving distance can be seen in the tachometer display when the ignition is off: Press the reset button under the trip odometer; *\dagger* and the remaining driving distance will then be displayed.

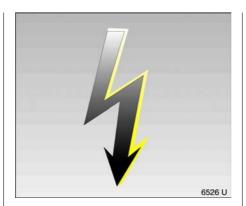
If the remaining distance to the next service is less than 1000 miles (1500 km), is displayed with a remaining distance of 600 miles (1000 km) when the ignition is switched on. is displayed for several seconds if the remaining distance is less than 600 miles (1000 km). Have the service work that is due carried out within one week or 300 miles (500 km). Ha ve this work carried out by a Vauxhall Authorised Repairer in order to avoid loss of warranty claims.

The service interval display takes account of off-the-road periods during which the battery is disconnected.

Further information on maintenance and the inspection system can be found in the Service Booklet, which is in the glove compartment. Have maintenance work, as well as repairs to the bodywork and equipment, carried out by a professional. We recommend a Vauxhall Authorised Repairer, who is familiar with Vauxhall vehicles and in possession of the necessary special tools and the latest Service Instructions from Vauxhall. It is particularly advisable to use a Vauxhall Authorised Repairer during the warranty period to avoid invalidation of warranty claims. See the Service Booklet for further information.

Separate anti-corrosion service

Have this carried out every 2 years, either within the scope of a Service or separately, see Service Booklet. We recommend that you consult a Vauxhall Authorised Repairer in order to avoid loss of warranty claims for rust damage.

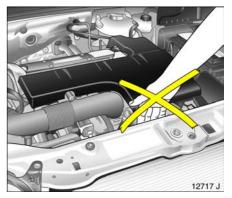


A note on safety

To avoid injury from cables conducting ignition voltage, only carry out engine compartment checks (e.g. checking the brake fluid level or engine oil level) when the ignition is switched off.

The cooling fan is controlled by a thermo-switch and can therefore start unexpectedly even if the ignition is switched off. Risk of injury.

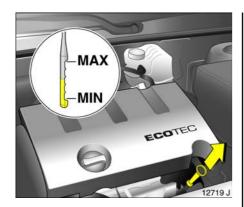
Electronic ignition systems generate very high voltages. Do not touch the ignition system; high voltage can be fatal.



Never carry out any repairs or adjustment and maintenance work on the vehicle yourself. This especially applies to the engine, chassis and safety parts. You may unwittingly infringe the provisions of the law and, by not performing the work properly, endanger yourself and other road users.

Checking and topping up fluids

To aid identification, the engine oil filler cap, coolant expansion tank cap, headlight * and windscreen wash fluid container cap and the handle of the oil dipstick are coloured yellow.



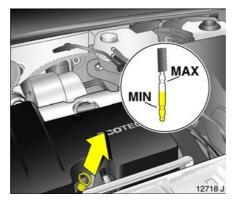
Engine oil

The oils listed on page 252 are particularly suitable for this engine.

These high-quality oils are suitable for summer and winter operation.

Commercially available oils must only be used in the grades and viscosities shown on page 252. This may reduce the change interval. In case of doubt, contact a workshop. We recommend consulting a Vauxhall Authorised Repairer.

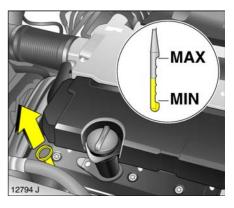
In the case of brand oils the manufacturers are responsible for ensuring that the oils they supply are suitable for Vauxhall vehicles



Engine oil level and consumption

It is normal for every engine to consume some oil. Engine oil consumption cannot be reliably ascertained until the vehicle has covered a substantial number of miles / kilometres. During the running-in phase, it may be above the specified level. Frequent running at high engine speeds increases oil consumption.

The engine oil level is checked automatically – see page 38. Before embarking on a long journey it is recommended that the engine oil level is checked.



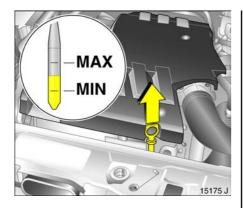
Checking the engine oil level, topping up engine oil

The figures on this page show the checks for various petrol and diesel engines, Fig. 15175 J on the next page shows checks for engine Y 30 DT¹⁾.

The oil level must be checked with the vehicle horizontal and with the engine (which must be at operating temperature) switched off. Wait at least five minutes before checking the level to allow the normal oil accumulation in the engine to drain back into the oil pan.

Important: It is the owner's responsibility to maintain the proper level of an appropriate quality oil in the engine.

¹⁾ Sales designation – see page 257.



To check the level, remove the oil gauge (dipstick), wipe it clean and reinsert it as far as it will go. At the very latest, top up if the oil level has dropped to just above the "add oil" mark MIN.

The oil level must not go above the upper mark MAX on the dipstick. Excess oil must be drained or extracted by suction. If the oil level does go above the mark MAX there is a risk of damage to the engine or catalytic converter.

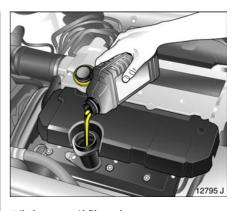
The amount filled must be between the MIN and MAX marks – see page 276.



When topping up, use the same oil as at the last oil change, and pay strict attention to the instructions on page 252.

Lubricant charts – see page 253, 254, 255. Capacities – see page 276.

The oil consumption will not stabilise until the vehicle has been driven several thousand miles. Only then can the actual rate of consumption be established.



Oil change, oil filter change Change the oil at the displayed service intervals.

We recommend that you use genuine Vauxhall oil filters.

Used oil filters and empty oil cans do not belong in the domestic garbage. We recommend having oil changes and oil filter changes carried out by a Vauxhall Authorised Repairer. The Vauxhall Authorised Repairer knows the laws concerning the disposal of used oil and therefore protects the environment and your health.

Diesel fuel filter

Check fuel filter for any water residue when each engine oil change takes place. We recommend that you consult a Vauxhall Authorised Repairer.

Have filter checked at shorter intervals in the case of extreme operating conditions such as high humidity (primarily in coastal areas), extremely high or low outside tem peratures and substantially varying day time and night-time tem peratures.

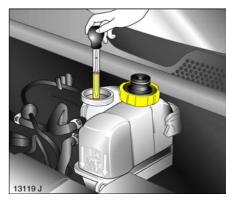
Coolant

During operation the system is pressurised. The temperature may therefore rise briefly to over $100\,^{\circ}\text{C}$.

The glycol-based coolant provides excellent corrosion protection for the heating and cooling systems as well as anti-freeze protection down to $-28\,^{\circ}\text{C}$. It remains in the cooling system throughout the year and need not be changed.

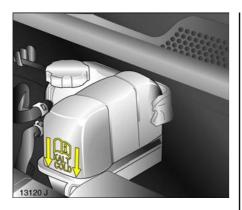
Certain a ntifreezes can lead to engine damage. We therefore strongly recommend the use of antifreezes that have been approved by Vauxhall.

Anti-freeze is a danger to health; it must therefore be kept in the original container and out of the reach of children.



Anti-freeze and corrosion protection
Before the start of the cold weather season, have the coolant checked for correct concentration. We recommend that you consult a Vauxhall Authorised Repairer. The amount of antifreeze must provide protection up to approx.—28 °C. If the antifreeze concentration is too low, this reduces protection from freezing and corrosion. Top up antifreeze if necessary.

If coolant loss is topped up with water, have concentration checked and add antifreeze if necessary.



Coolant level

Hardly any losses occur since the cooling system is sealed and it is thus rarely necessary to top up the coolant.

The coolant in the compensation tank should be slightly above the mark KALT / COLD with the cooling system cold. It rises when the engine is warm and falls again as it cools. If it drops below the marking in this case, it should be topped up to a level just above the marking.

Allow engine to cool down before removing coolant filler cap. Remove filler cap carefully so that pressure can escape slowly, otherwise there is a risk of scalding.

Top up anti-freeze. If no anti-freeze is available, top up with clean tap water. If tap water is unavailable, distilled water can be used.

After topping up with tap or distilled water, have the anti-freeze concentration checked, and anti-freeze added if necessary. Have the cause of the coolant loss remedied. We recommend that you consult a Vauxhall Authorised Repairer.

When closing, tighten coolant filler cap as far as it will go.

Coolant temperature

For physical reasons, the engine temperature gauge shows the coolant temperature only if the coolant level is adequate.

During operation the system is pressurised. The temperature may therefore rise to over $100 \, ^{\circ}$ C.

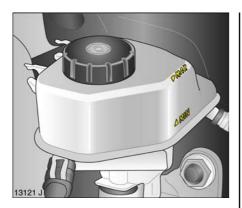
If the temperature gauge enters the righthand (warning) zone or control indicator & lights up, check the coolant level immediately.

■ Coolant level low:

Top up coolant. Pay strict attention to the instructions given under "Anti-freeze and corrosion protection" and "Coolant level". Have the cause of coolant loss remedied. We recommend that you consult a Vauxhall Authorised Repairer.

■ Coolant level OK:

Have the cause of increased coolant temperature remedied. Contact a workshop. We recommend that you consult a Vauxhall Authorised Repairer.



Brake fluid Brake fluid level

Caution – brake fluid is poisonous and corrosive. Do not allow it to come into contact with eyes, skin, fabric or painted surfaces. Direct contact could cause injury and damage.

The fluid level in the reservoir must be neither higher than the MAX mark nor lower than the MIN mark

Use of some brake fluids could cause damage or impair braking effectiveness. Stay well informed. We recommend that you only use Vauxhall-approved high performance brake fluid.

Extreme cleanliness is important, since brake fluid contamination can lead to brake system malfunctions.

After correcting the brake fluid level, have the cause of the loss remedied. We recommend that you consult a Vauxhall Authorised Repairer.

Brake fluid change

Brake fluid is hygroscopic, i.e. it absorbs water. If the brakes become hot, such as when driving on long downhill stretches, vapour bubbles can occur in the water, which can have an extremely adverse effect on braking power (depending on the proportion of water).

The fluid change intervals specified in the Service Booklet must therefore be observed.

We recommend that you have brake fluid changed by a Vauxhall Authorised Repairer, who will be familiar with the requirements of the law as regards disposal of brake fluid and can thus help to protect the environment and your health.

Windscreen wiper

Clear vision is essential for safe driving.

You should therefore perform regular checks on the windscreen wiper and headlight wiper system * to make sure they are operating correctly.

If the windscreen is dirty, operate the screenwash before switching on the windscreen wiper or setting the wiper to automatic operation with the rain sensor *. This will avoid wiper blade wear.

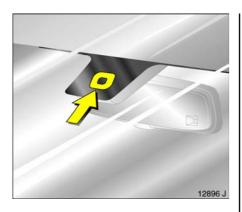
Do not switch on the windscreen wiper or set to automatic operation with the rain sensor * if the windscreen is iced up as this could damage the wiper blades or the wiper system.

If the wiper becomes frozen on to the glass, we recommend that it be released with the aid of Vauxhall De-icer Spray.

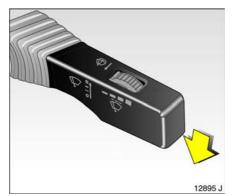
Smearing wiper blades can be cleaned with a soft cloth and Vauxhall Windscreen Wash Solvent.

Wiper blades whose lips have become hardened, cracked or covered with silicone must be replaced. This may be necessary as a result of the effects of ice, thawing salt or heat, or the incorrect use of cleaning agents.

Switch off the windscreen wiper and automatic operation with rain sensor * in car washes – see pages 19, 246.

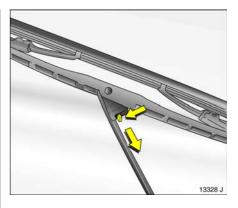


To ensure proper operation of the rain sensor *, the sensor area must be free from dust, dirt and ice. The windscreen wash system must also be operated at regular intervals and the sensor area must be deiced. Vehicles with rain sensor * can be identified by the sensor area near the top of the windscreen.

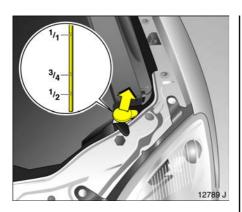


Service setting for front windscreen wiper (e.g. for changing or cleaning the front wiper blades).

Within 8 seconds of switching off the ignition, press the windscreen wiper stalk downwards. Release the windscreen wiper stalk as soon as the wiper blades are vertical.



Wiper blades on the windscreen Activating service position, see preceding column. Lift wiper arm. Press the release lever and detach the wiper blade.



Windscreen and headlight wash systems *****

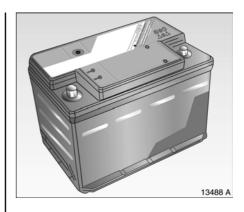
The filler neck for the windscreen wash reservoir and the headlight washing system * is at the front left of the engine compartment near the battery. The fluid level in the reservoir can be checked using the dipstick. Do not fill fluid level to more than 1/1. Capacity – see page 276.

Fill only with clean water to prevent the nozzles from clogging. To improve cleaning efficiency, we recommend that you add a little Vauxhall Windscreen Wash Solvent.

The windscreen wash system and headlight wash system will not freeze in winter:

Frost protection down to	Mixture strength Vauxhall Windscreen Wash Solvent: Water
–5 °C	1:3
−10 °C	1:2
−20 °C	1:1
−30 °C	2:1

When closing the container, press the lid firmly over the beaded edge all the way round.



Battery

The battery is maintenance-free.

We recommend that you have battery changes carried out by a Vauxhall Authorised Repairer. The Vauxhall Authorised Repairer knows the laws concerning the disposal of used batteries and therefore protects the environment and your health.

Retro-fitted electrical or electronic accessories can place an additional load on the battery or even discharge the battery. We recommend that you consult a Vauxhall Authorised Repairer regarding technical possibilities, such as fitting a more powerful battery.

Laying up the vehicle for more than 4 weeks can lead to battery discharge, which may reduce the service life of the battery. Disconnect battery from on-board power supply by detaching negative terminal (anti-theft alarm system * is then disabled).

Do not connect battery with ignition switched on. Then perform the following operations:

- Remove radio block **, see radio operating instructions.
- Set date and time in information display see page 44.
- Activate window and sun roof electronics * see pages 121, 124.

In order to prevent the battery from discharging, some consumers such as the courtesy light automatically switch off after approx. 20 minutes.

Protecting electronic components

In order to prevent faults in electronic components in the electrical system, never connect or disconnect battery with engine running or ignition switched on. Neverstart engine with battery disconnected, e.g. when starting using jump leads.

The battery must be disconnected from the vehicle before being charged: first disconnect the negative cable and then the positive cable. The polarity of the battery, i.e. the connections for the positive and negative cables, must not be interchanged. When reconnecting, first connect the positive cable and then the negative cable.

To avoid damaging the vehicle, do not make any modifications to the electrical system, e.g. connecting additional consumers or tampering with electronic control units (chip tuning).

Electronic ignition systems generate very high voltages. Do not touch the ignition system; high voltage can be fatal.

Ve hicle decommissioning

Observe national regulations.

If the vehicle is decommissioned for several months, the following work must be carried out in order to prevent damage. We recommend that you consult a Vauxhall Authorised Repairer.

- Wash and preserve the vehicle see page 246.
- Check protective coating in engine compartment and on underbody and rectify where necessary.
- Clean and preserve rubber seals on bonnet and doors.
- Change engine oil see page 237.
- Check anti-freeze and corrosion protection see page 238.
- Check the coolant level, top up with antifreeze if necessary see page 239.
- Empty windscreen wash system and headlight wash system.
- Increase tyre pressure to value specified for maximum load see page 268.

Vehicle storage

- Park vehicle in dry, well ventilated place. With manual transmission select first gear or reverse gear, and with automatic transmission ※ or CVTronic ※ move selector lever to P. Prevent vehicle from rolling using wedges or the like.
- Do not apply handbrake.
- Disconnect battery by disengaging negative terminal from vehicle electrical system see page 243.

Vehicle recommissioning

Observe national regulations.

Perform the following work before recommissioning the vehicle:

- Connect battery see page 243.
- Check tyre pressure see page 268.
- Fill up windscreen wash system see page 242.
- Check engine oil level see page 236.
- Check the coolant level; top up with antifreeze if necessary see page 239.
- If necessary, fit the number plates. When fitting the front number plate, do not use any number plate reinforcement.

Vehicle care

Consult a Vauxhall Authorised Repairer with regard to care aids tested and recommended by Vauxhall.

When caring for your vehicle, observe all national environmental regulations, particularly when washing it.

Regular, thorough care helps to improve the appearance of your vehicle and maintain its value over the years. It is also a prerequisite for warranty claims for any paint or corrosion damage. The following pages contain tips for vehicle care which, if used properly, will help combat the unavoidable damaging effects of the environment.

Vehicle care aids *

Vehicle wash:

- Wash brush,
- Shampoo,
- Sponge,
- Insect Removal Sponge,
- Chamois.

Vehicle care:

- Paintwork Cleaner,
- Paintwork Polish,
- Cream Polish,
- Metallic Paintwork Wax,
- Hard wax,
- Vauxhall Touch-Up Paint,
- Vauxhall Touch-Up / Aerosol Paint,
- Wheel Preserver,
- Tar Remover,
- Insect Remover,
- Window Cleaner,
- Vauxhall Windscreen Wash Solvent,
- Silicone Oil for Rubber Seals,
- Cleaner.

Washing

The paintwork of your vehicle is exposed to environmental influences, e.g. continuous changes in weather conditions, industrial waste gases and dust or thawing salts, so wash and wax your vehicle regularly. When using a utomatic car washes, select a programme which includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage.

Please follow the wash system manufacturer's instructions when using wash systems. The windscreen wiper and the automatic wiper with rain sensor * and the rear window wiper * must be switched off—see page 19. Unscrew the antennarod * and the roof rack *, standing on the door sill to make them easier to reach.

If you wash your vehicle by hand, make sure that the insides of the wings are also thoroughly rinsed out. Clean edges and folds on opened doors and flaps as well as the areas they cover.

Thoroughly rinse off and leather-off the vehicle. Rinse leather frequently. Use separate leathers for paint and window surfaces: remnants of wax on the windows will impair vision.

Observe national regulations.

Waxing

Wax your vehicle regularly, in particular after it has been washed using shampoo and at the latest when water no longer forms beads on the paintwork, otherwise the paintwork will dry out.

Also wax edg es and folds on opened doors and flaps as well as the areas they cover.

Polishing

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts should not be treated with wax and polish.

Use Metallic Paintwork Wax on vehicles with a metallic-effect paint finish.

Wheels

Use a pH-neutral wheel cleaning agent to clean the wheels.

Wheels are painted and can be treated with the same agents as the body. For alloy wheels we recommend use of Alloy Wheel Preserver.

Paintwork damage

Repair small areas of paint damage such as stone impacts, scratches etc. immediately using a Vauxhall touch-up applicator or Vauxhall spray and touch-up paint before rust can form. If rust has already formed, have the cause remedied. We recommend that you consult a Vauxhall Authorised Repairer. Please also pay attention to surfaces and edges beneath the vehicle where rust may have formed unnoticed for some time.

Exterior lights

Headlight and other protective light bezels are made of plastic. If they require additional cleaning after the vehicle has been washed, clean them with Car Shampoo. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

Plastic and rubber parts

For additional cleaning of plastic and rubber parts use Cleaner. Do not use any other agent, and in particular do not use solvents or petrol.

Wheels and tyres

Do not use high-pressure jet cleaners on wheels and tyres.

Interior and upholstery

Clean the vehicle interior, including the instrument panel facia, using interior cleaner.

Clean fabric upholstery with a vacuum cleaner and brush. To remove stains, use cleaner that is suitable for both fabrics and vinyl.

Do not use cleaning agents such as acetone, carbon tetrachloride, paint thinner, paint remover, nail varnish remover, washing powder or bleach to clean fabrics, carpets, the dashboard or leather trim * in the vehicle interior. Benzine is also unsuitable.

Seat belts

Always keep seat belts clean and dry.
Clean only with lukewarm water or Cleaner.

Windows

When cleaning the heated rear window, make sure that the heating element on the inside of the window is not damaged.

Use a soft lint-free cloth or chamois leather in conjunction with Window Cleaner and Insect Remover.

Vauxhall Windscreen Wash Solvent is suitable for de-icing windows.

For mechanical removal of ice, use a commercially available sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Windscreen wiper blades

Smearing wiper blades can be cleaned with a soft cloth and Vauxhall Windscreen Wash Solvent, and replaced if necessary – see page 240.

Locks

The locks are lubricated with a high-grade lock cylinder grease at the factory. Vauxhall lock cylinder grease prevents the locks from freezing up. Only use de-icing agent in emergencies, as they have a degreasing effect and will impair the function of the locks. After using a de-icing agent, have the locks re-greased. We recommend that you entrust this to a Vauxhall Authorised Repairer.

Engine compartment

Areas in the engine compartment painted in the vehicle colour are cared for like any other painted area. It is advisable to wash and wax the engine compartment before and after winter. Cover the alternator and brake fluid reservoir with plastic sheeting before washing the engine.

When washing the engine with a steam-jet cleaner, do not direct the steam jet at components of the Anti-lock Brake System, the automatic air conditioning system, the auxiliary heating system heater or the belt drive and its components.

Protective wax that has been applied is also removed during the engine wash. For this reason, have the engine, brake system components in the engine compartment, axle components with steering, body parts and cavities thoroughly preserved with protective wax after the wash. We recommend that you consult a Vauxhall Authorised Repairer.

An engine wash can be performed in the spring in order to remove dirt that has adhered to the engine compartment, which may also have a high salt content. Check protective wax layer and make good if necessary.

Do not use high-pressure jet cleaners on wheels and tyres.

Underbody

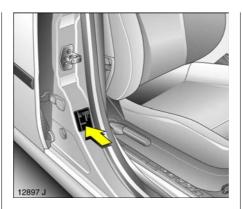
Your vehicle has a factory-applied PVC undercoating in the wheel arches (including the longitudinal members) which provides permanent protection and needs no special maintenance. The surfaces of the vehicle underbody not covered by PVC are provided with a durable protective wax coating in critical areas.

On vehicles which are washed frequently in automatic car washes with underbody washing facility, the protective wax coating may be impaired by dirt-dissolving additives, so check the underbody after washing and have it waxed if necessary. Before the start of the cold weather season, check the PVC coating and protective wax coating and, if necessary, have them restored to perfect condition.

Caution – commercially available bitumen / rubber materials can damage the PVC coating. We recommend that you have underbody work carried out by a Vauxhall Authorised Repairer, who knows the prescribed materials and has experience in the use thereof.

The underbody should be washed following the end of the cold weather season to remove any dirt adhering to the underbody since this may also contains alt. Check protective wax coating and, if necessary, have it restored to perfect condition.

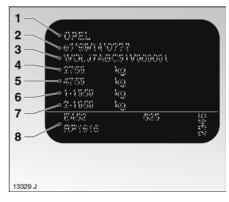
Technical data



Vehicle documents, identification plate

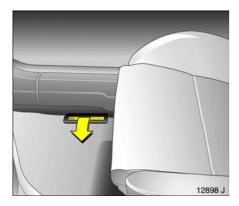
The technical data is determined in accordance with European Community standards. We reserve the right to make modifications. Specifications in the vehicle documents always have priority over those given in this manual.

The identification plate is affixed to the front right door frame.



Information on identification plate:

- 1 Manufacturer
- 2 Type approval number
- 3 Vehicle Identification Number
- 4 Permissible gross vehicle weight
- 5 Permissible gross train weight
- 6 Maximum permissible front axle load
- 7 Maximum permissible rear axle load
- 8 Vehicle-specific or country-specific data



Vehicle identification data

The Vehicle Identification Number is stamped on the identification plate (see previous page) and in the vehicle floor on the right-hand side under a cover between the front passenger door and seat.

In other design variants, the identification plate may also be affixed to the dashboard.

Engine code and engine number: stamped on left-hand side of engine on crankcase.

Coolant, brake fluid, oils

When topping up

- coolant,
- brake fluid,
- manual transmission oil,
- automatic transmission oil,
- CVTronic transmission oil,
- power steering oil

We recommend that you consult a Vauxhall Authorised Repairer, who can advise you on the correct products to use.

Caution: Use of unsuitable fluids can cause serious damage to the vehicle.

Engine oils

For more information, see the Service Booklet.

The oil change intervals for engine oils are flexible (ECOService-Flex).

The next engine oil change will be displayed on the vehicle instruments and will depend on how you drive the vehicle. Driving patterns take into account e.g. frequent cold starts, short trips, average driving conditions or predominantly long distance driving.

Your Vectra is delivered from the factory with engine oil of quality GM-LL-A-025 (SAE 5W-30) ❖ or GM-LL-B-025 (SAE 5W-40) ❖.

With this engine oil, the next oil change is after a maximum of 2 years or 25,000 miles / 35,000 km (petrol engines) or a maximum of 2 years or 30,000 miles / 50,000 km (diesel engines). The service interval display takes into account off-the-road periods during which the battery is disconnected – see page 234.

The engine oil that has been specially developed for vehicles with ECOService-Flex can be obtained from a Vauxhall Authorised Repairer or on the open market (e.g. filling stations). A list of oil companies can be found on the Internet at www.yauxhall.co.uk

When topping up, always use engine oil of quality GM-LL-A-025 or GM-LL-B-025 (see table on the following page), to benefit from the flexible maintenance intervals.

If these engine oils are unavailable – see page 254.

Maximum oil change interval for oil grade GM-LL-A-025 or GM-LL-B-025

Interval	Engine code	Quality classes
Max. 2 years or approx. 25,000 miles (35,000 km)	Z 18 XE, Z 18 XEL, Z 20 NET, Z 22 SE, Z 22 YH, Z 32 SE	GM-LL-A-025
Max. 2 years or 30,000 miles (50,000 km)	Y 20 DTH, Y 22 DTR, Y 30 DT ¹⁾	GM-LL-B-025

Information regarding oil quality GM-LL-A-025 or GM-LL-B-025

GM = General Motors

LL = Long Life

A or B = Internal designation 025 = Validity index

= Validity index

Higher validity indices indicate progressively more refined classifications. Oils with higher validity indices can be used.

¹⁾ Recommended: Shell Helix Plus S (SAE 5W-40), Mobil Synt S (SAE 5W-40), Esso Ultron (SAE 5W-40).

Topping up engine oils of oil grade ACEA $\,$

A maximum of 1 litre of ACEA quality engine oil can be added before the next oil change without reducing the oil change interval. See a djacent table for quality classes.

If more than 1 litre must be added, the oil change interval for petrol and diesel engines is reduced to 1 year or 20,000 miles (30,000 km), see adjoining table.

The service interval display should then be disregarded.

For more information, see the Service Booklet.

Oil change intervals if top-up quantity is more than 1 litre of ACEA quality engine oil

Interval	Engine code	Quality classes	SAE viscosity classes
1 year or 20,000 miles (30,000 km)	Z 18 XE, Z 18 XEL, Z 20 NET, Z 22 SE, Z 20 YH, Z 32 SE	ACEA A3, ACEA A3/B3, ACEA A3/B3/B4, ACEA A5, ACEA A5/B5	0W-30, 0W-40, 5W-30, 5W-40, 10W-30, 10W-40
1 year or 20,000 miles (30,000 km)	Y 20 DTH, Y 22 DTR	ACEA B4, ACEA A3/B4, ACEA A3/B3/B4	0W-30, 0W-40, 5W-30, 5W-40, 10W-30, 10W-40
1 year or 15,000 miles (20,000 km)	Y 30 DT ¹⁾	ACEA B4, ACEA A3/B4, ACEA A3/B3/B4	0W-30, 0W-40, 5W-30, 5W-40, 10W-30, 10W-40

¹⁾ Recommended en gine oils – see page 253.

Information on ACEA oil grade classification

The Association des Constructeurs Européens d'Automobiles classifies engine oils according to their performance (quality).

Each class is identified by letters and numbers, e.g. A3.

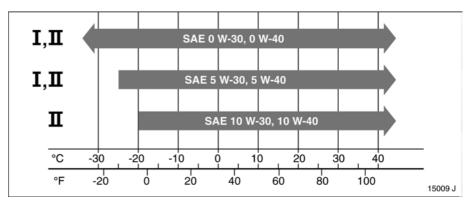
The letter indicates the field of application.

- A = Petrol engines in passenger cars
- B = Diesel engines in passenger cars
- E = Diesel engines in trucks

The number indicates the quality in ascending numerical order.

Important note

For countries in which the specified oils (GM-LL-, ACEA A3/B3) are not available, more detailed information is found in the Service Booklet.



Information on SAE oil viscosity

Engine and transmission oils are grouped in SAE classes by the **S** ociety of **A**utomotive Engineers b ased on their viscosity. Viscosity is the measure of internal friction of the oil in flux, dependent on its temperature.

The SAE classification does not provide information on the quality of the oil; it merely indicates the range of application of the oil dependent on the outside temperature – see diagram.

The first number indicates viscosity at low temperatures (cold start behaviour). The second number indicates viscosity at high temperatures.

- I = Only approved and recommended Long-Life engine oils with the identification GM-LL-A-025 or GM-LL-B-025 – see page 253.
- II = Only if the higher quality I is unavailable may engine oils of ACEA oil quality be used in this case the oil change interval is reduced to 20,000 miles (30,000 km) or 1 year – see page 254.

Engine data

Sales designation Engine code	1.8 Z 18 XE	1.8 Z 18 XEL	2.0 Turbo Z 20 NET	2.2 Z 22 S E
Number of cylinders	4	4	4	4
Bore dia. (mm)	80.5	80.5	86.0	86.0
Stroke (mm)	88.2	88.2	86.0	94.6
Piston displacement (cm³)	1796	1796	1998	2198
Max. engine output (kW) at rpm	90 6000	81 5600	129 5500	108 5600
Torque (Nm) at rpm	167 3800	167 3800	265 2500 to 3800	203 4000
Compression ratio	10.5	10.5	9.5	10.0
Octane requirement (RON) ¹⁾ unleaded or unleaded or unleaded	95 98 ²⁾ 91 ²⁾³⁾	95 98 ²⁾ 91 ²⁾³⁾	95 98 ²⁾ 91 ²⁾⁴⁾	95 98 ²⁾ 91 ²⁾⁴⁾
Max. permissible engine speed, continuous operation (rpm) approx.	6400	6400	6500	6500
Oil consumption (I/1000 km)	0.6	0.6	0.6	0.6

Stan dard high-quality fuels, e.g. unleaded DIN EN 228; value printed in bold: recommended fuel.
 Knock control system automatically adjusts ignition timing according to type of fuel used (octane number).
 Slight reduction in engine output and torque if 91 RON is used.
 If nounleaded Premium fuel is available, 91 RON can be used taking care to avoid high engine load or full load as well as for driving in mountainous terrain with a caravan / trailer load or high payboad.

Engine data

Sales designation Engine code	2.2 direct Z 22 YH	3.2 V6 Z 32 SE	2.0 DTI Y 20 DTH	2.2 DTI Y 22 DTR	3.0 CDTI Y 30 DT
Number of cylinders	4	6	4	4	6
Bore dia. (mm)	86.0	87.5	84.0	84.0	87.5
Stroke (mm)	94.6	88.0	90.0	98.0	82.0
Piston displacement (cm³)	2198	3175	1995	21 72	2958
Max. engine output (kW) at rpm	114 5600	155 6200	74 4000	92 4000	130 4000
Torque (Nm) at rpm	220 3800	300 4000	230 1500 to 2500	280 1500 to 2750	370 / 330 ¹⁾ 1900 to 2800 / 1600 to 3600 ¹⁾
Compression ratio	12.0	10.0	18.5	18.5	18.5
Octane requirement (RON) ²⁾ unleaded or unleaded or unleaded Cetane requirement (CN) ²⁾	95 ³⁾ 98 ⁴⁾ 5)	95 98 ⁴⁾ 91 ⁴⁾⁶⁾	- - - 49 (D) ⁷⁾	- - - 49 (D) ⁷⁾	- - - 49 (D) ⁷⁾
Max. permissible engine speed, continuous operation (rpm) approx.	6500	6800	50 00	5000	4500 to 4700
Oil consumption (I/1000 km)	0.6	0.6	0.6	0.6	0.6

¹⁾ Version with automatic transmission.

²⁾ Standard high-quality fuels, e.g. unleaded DIN EN 228, Diesel DIN EN 590; value printed in bold: recommended fuel.
3) The use of fuel that is at least 95 octane is prescribed.

⁴⁾ Knock control system automatically adjusts ignition timing according to type of fuel used (octane number).
5) 91 octane fuel must not be used.

⁶⁾ Slight reduction in engine output and torque if 91 RON is used.
7) A lower value is possible with winter fuels.

Performance (approx. mph; km/h), Saloon

Engine ¹⁾	Z 18 XE	Z 18 XEL	Z 20 NET	Z 22 S E
Maximum speed ²⁾				
Manual transmission	126; 203	122; 196	_	_
Sport transmission	127; 205	123; 198	143; 230	134; 216
Automatic transmission	_	_	_	131; 210
CVTronic	118; 190	-	-	_
Engine ¹⁾	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
Maximum speed ²⁾				
Manual transmission	154; 248	119; 192	125/128;202 ³⁾ /	206 140; 226
Sport transmission	_	_	_	-
Automatic transmission	153; 246	_	125; 202	139; 223
CVTronic				

¹⁾ Sales designation — see pages 256, 257.
2) The maximum speed is achievable with a maximum of half payload. Optional equipment may reduce the specified maximum speed of the vehicle.
3) Country-specific version.

Performance (approx. mph; km/h), Estate

Engine ¹⁾	Z 18 XE	Z 18 XEL	Z 20 NET	Z 22 YH
Maximum speed ²⁾				
Manual transmission	-	_	_	_
Sport transmission	124; 199	119; 192	138; 222	132; 212
Automatic transmission	-	_	-	129; 208
CVTronic	112; 180	-	-	_
Engine ¹⁾	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
Maximum speed ²⁾				
Manual transmission	149; 239	116; 186	123/126;198 ³⁾ ,	/202 138; 222
Sport transmission	-	_	_	_
Automatic transmission	147; 237	_	124; 199	137; 220
CVTronic				

Sales designation – see pages 256, 257.
The maximum speed is achievable with a maximum of half payload. Optional equipment may reduce the specified maximum speed of the vehicle.
Country-specific version.

Fuel consumption, CO₂ e missionsDirective 80/1268/EEC (last changed by 1999/100/EC) has applied for the measurement of fuel consumption since 1996.

The directive is oriented to actual driving practices: Urban driving is rated at approx. $^{1}\!/_{3}$ and extra-urban driving with approx. $^{2}\!/_{3}$ (urban and extra-urban consumption). Cold starts and acceleration phases are also taken into consideration.

The specification of ${\rm CO}_2$ emission is also a constituent of the directive.

The figures given must not be taken as a guarantee for the actual fuel consumption of a particular vehicle.

The calculation of fuel consumption as specified by directive 1999/100/EC takes account of the vehicle's kerbweight, ascertained in accordance with these regulations. Optional extras may result in slightly higher fuel consumption and CO₂ emission levels than those quoted.

To convert 1/100km into mpg, divide 282 by number of litres/100km.

Saving fuel – see page 160.

Fuel consumption (approx. 1/100 km), $\mathbf{CO_2}$ emission (approx. g/km), Saloon

Engine ¹⁾	Z 18 XE	Z 18 XEL	Z 20 NET	Z 22 SE
Manual transmission / sport transmission / automatic				
transmission / CVTronic				
urban	10.4/10.7/–/11.6	10.4/10.7/-/-	-/12.8/- <i>/</i> -	- /1 1 .5/1 3 .4/-
extra-urban	5.5/ 5.8/–/ 6.3/	5.5/ 5.8/–/–	<i>-</i> / 6.6 <i>/</i> - <i>/</i> -	- / 6.3/ 6.6/-
total	7.3/ 7.6/–/ 8.3	7.3/ 7.6/–/–	<i>-</i> / 8.9 <i>/</i> - <i>/</i> -	- / 8.2/ 9.1/-
CO ₂	175/ 182/–/ 199	175/182/–/–	_/ 214/ _/ _	- / 197/218/ -
Engine ¹⁾	Z 32 S E	Y 20 DTH	Y 22 DTR	Y 30 DT
Engine ¹⁾ Manual transmission / sport transmission / automatic	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
Manual transmission / sport transmission / automatic	Z 32 SE	Y 20 DTH	Y 22 DTR 8.2/-/10.3/-	Y 30 DT 9.8/-/10.7/-
Manual transmission / sport transmission / automatic transmission / CVTronic				
Manual transmission / sport transmission / automatic transmission / CVTronic urban	14.0/–/15.4/–	7.6/-/-	8.2/ - /10.3/- 4.7/ - / 5.4/-	9.8/–/10.7/–
Manual transmission / sport transmission / automatic transmission / CVTronic urban extra-urban	14.0/-/15.4/- 7.3/-/ 7.5/-	7.6/-/-/- 4.5/-/-/-	8.2/-/10.3/-	9.8/-/10.7/- 5.4/-/ 5.5/-

¹⁾ Sales designation – see pages 256, 257.

Fuel consumption (approx. 1/100 km), ${\rm CO_2}$ emission (approx. ${\rm g/km}$), Estate

Engine ¹⁾	Z 18 XE	Z 18 XEL	Z 20 NET	Z 22 YH
Manual transmission / sport transmission / automatic transmission / CVTronic urban	-/11.0/-/11.9	-/11.0/-/-	-/13.1/-/-	-/10.6/12.1/-
extra-urban total CO ₂	-/ 6.1/-/ 6.6 -/ 7.9/-/ 8.6 -/ 190/-/ 206	-/ 6.1 <i> </i> - <i> </i> - -/ 7.9 <i> </i> - <i> </i> - -/ 190 <i> </i> -/-	-/ 6.9/-/- -/ 9.2/-/- -/221/-/-	-/6.6/ 6.9/- -/8.1/ 8.8/- -/194/ 211/-
Engine ¹⁾	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
Manual transmission / sport transmission / automatic	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
	Z 32 SE	Y 20 DTH	Y 22 DTR 8.5/-/10.5/-	Y 30 DT
Manual transmission / sport transmission / automatic transmission / CVTronic				
Manual transmission / sport transmission / automatic transmission / CVTronic urban	14.3/–/15.6/–	7.9/–/–/	8.5/–/10.5/–	10.1/–/11.0/–

¹⁾ Sales designation – see pages 256, 257.

Weights, payload and roof load

The payload is the difference between the permitted gross vehicle weight (see identification plate, page 250) and the EC kerbweight.

To calculate the kerbweight, enter the data for your vehicle below:

- Kerbweight from
 Table 1,
 page 264 +kg
- Ad ditional weight of equipment versions from Table 2, page 266 +kg

is the EC kerbweight.

Optional equipment and accessories increase the kerbweight, which means that the payload will also change slightly.

Note the weights given in the vehicle documents.

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

See the identification plate or vehicle documents for permissible axle loads.

Roof load

The permissible roof load is 75 kg (Estate with roof railing – 100 kg). The roof load is the combined weight of the roof rack and the load.

Do not drive faster than 75 mph (120 km/h). Check fastening at frequent intervals and tighten.

For safety reasons and to avoid damage to the roof, we recommend that the use of Vauxhall-approved roof rack systems for your vehicle. A Vauxhall Authorised Repairer would be pleased to advise you.

Driving hints – see page 158.

Weights (kg): Table 1, Kerbweight¹⁾, Saloon

Model	Engine ²⁾	4-door Manual transmission	Automatic transmission	CVTronic	5-door Manual transmission	Automatic transmission	CVTronic
Vec tra	Z 18 XE	1375	-	1393	1390	-	1425
	Z 18 XEL	1375	-	-	1390	-	-
	Z 20 NET	1490	_	-	1505	-	_
	Z 22 S E	1435	1465	-	1450	1480	-
	Z 32 S E	1503	1528	-	1503	1528	_
	Y 20 DTH	1490	_	_	1505	_	-
	Y 22 DTR	1505	1530	-	1503	1528	-
	Y 30 DT			_	-	_	_
Vectra with	Z 18 XE	1395	_	1413	1410	-	1445
air conditioning or electronic	Z 18 XEL	1395	-	-	1410	-	-
air conditioning system	Z 20 NET	1510	_	-	1525	_	-
<i>3,3.</i> c	Z 22 S E	1455	1485	-	1470	1500	-
	Z 32 S E	1523	1548	-	1523	1548	-
	Y 20 DTH	1510		_	1525	_	-
	Y 22 DTR	1525	1550	-	1523	1548	-
	Y 30 DT	1613	1638	-	1650	1675	_

¹⁾ According to EC Directive, including assumed weights for driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full). Sales designation – see pages 256, 257.

Weights (kg): Table 1, Kerbweight 1), Estate

Model	Engine ²⁾	Estate Manual transmission	Automatic transmission	CVTronic
Vectra	Z 18 XE	1470	-	1505
	Z 18 XEL	1470	-	_
	Z 20 NET	1565	-	-
	Z 22 Y H	1530	1560	-
	Z 32 SE	1605	1613	-
	Y 20 DTH	1580	-	-
	Y 22 DTR	1600	1613	_
	Y 30 DT	-	-	_
Vectra with	Z 18 XE	1490	-	1525
air conditioning or electronic	Z 18 XEL	1490	_	_
air conditioning system	Z 20 NET	1585	_	-
system	Z 22 Y H	1550	1580	_
	Z 32 SE	1625	1633	-
	Y 20 DTH	1600	-	-
	Y 22 DTR	1620	1633	-
	Y 30 DT	1705	1730	_

According to EC Directive, including assumed weights for driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full).
Sales designation – see pages 256, 257.

Weights (kg): Table 2, Additional weight of equipment versions

Saloon

Engine ¹⁾	Z 18 XE, Z 18 XEL	Z 20 NET	Z 22 S E	Z 32 S E	Y 20 DTH	Y 22 DTR	Y 30 DT
LS / Club / Expression	21	11	11	11	21	21	11
Elegance	42	32	32	32	42	42	32
Elite	49	39	39	39	49	49	39
SRi /GSi / SXi	31	21	21	21	31	31	21
Estate Engine ¹⁾	Z 18 XE, Z 18 XEL	Z 20 NET	Z 22 YH	Z 32 SE	Y 20 DTH	Y 22 DTR	Y 30 DT
LS / Club / Expression	16	7	7	7	7	7	7
Elegance	41	32	32	32	32	32	32
Elite	48	39	39	39	39	39	39
SRi / GSi / SXi	31	22	22	22	22	22	22

¹⁾ Sales designation – see pages 256, 257.

Weights (kg): Table 3, Heavy accessories

Saloon

Accessories	Sun roof	Towing equipment
Weight	17	22

Estate

Accessories	Sun roof	Towing equipment
Weight	17	33

Tyres

Restrictions

Not all tyres available on the market currently meet the structural requirements. We recommend that you consult a Vauxhall Authorised Repairer concerning suitable tyre makes.

These tyres have undergone special tests to establish their reliability, safety and specific suitability for Vauxhall vehicles. Despite continuous market monitoring, we are unable to assess these attributes for other tyres, even if they have been granted approval by the relevant authorities or in some other form.

Further information – see page 184.

Winter tyres

Tyres of size 215/50 R 17, 225/45 R 18 or 235/35 R 19 may not be used as winter tyres (M+S tyres).

Only the winter tyres specified on page 274 may be used on vehicles factory-fitted with tyre equipment 235/35 R 19.

If you use winter tyres *, the spare wheel may still be fitted with a summer tyre. If you use the spare wheel the vehicle's handling may be altered. Obtain a replacement for the faulty tyre as soon as possible, and have the wheel balanced and fitted to the vehicle.

Further information – see page 187.

Tyre chains Restrictions

Tyre chains may be used on the front wheels only.

Always use fine mesh chains that add no more than 15 mm to the tyre tread and the inboard sides (including chain lock).

Snow chains are not permitted on the temporary spare wheel \$\frac{115}{70}\$ R 16 and tyre sizes 215/50 R 17, 225/45 R 18 and 235/35 R 19.

Further information – see page 187.

Wheels

Wheel bolt tightening torque: 110 Nm.

On vehicles with alloy wheels * the spare wheel may have a steel rim.

The spare wheel may have a smaller tyre and a smaller rim: using the spare wheel may cause different driving behaviour.
Replace defective tyre as soon as possible, balance wheel and have it fitted to the vehicle.

Tyre inflation pressures in bar 1)

The specified tyre pressures are valid for cold tyres. The increased tyre pressure resulting from extensive driving must not be reduced. The specified pressures apply to both summer and winter tyres.

Further information – see pages 184 to 187.

^{1) 1} bar corresponds to 100 kPa.

(ctd.) Tyre inflation pressures in bar¹⁾/psi

Saloon		Tyre inflo pressure to 3 pers	with up	Tyre inflo pressure full load	
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Z 18 XE, Z 18 XEL	195/65 R 15, 205/55 R 16, 215/55 R 16, 215/50 R 17, 225/45 R 17, 225/45 R 18	2.0/29	2.2/32	2.2/32	2.7/39
Z 20 NET	205/55 R 16 (M+S)	2.4/35	2.4/35	2.5/36	3.0/44
	21 5/55 R 16, 21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.3/33	2.3/33	2.4/35	2.9/42
Z 22 SE	195/65 R 15, 205/55 R 16	2.3/33	2.3/33	2.5/36	3.0/44
	21 5/55 R 16, 21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.2/32	2.2/32	2.3/33	2.8/41
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4.2/61

^{1) 1} bar corresponds to 100 kPa.

²⁾ Sales designation — see pages 256, 257.
3) For notes on the temporary spare wheel — see page 207.

(ctd.) Tyre inflation pressures in bar¹⁾/psi

Saloon		Tyre inflo pressure to 3 pers	with up	Tyre inflation pressure with full load	
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Z 32 SE	215/55 R 16 ⁴⁾	2.4/35	2.4/35	2.5/36	3.0/44
	215/50 R 17 ⁴⁾ , 225/45 R 17 ⁴⁾ , 225/45 R 18 ⁴⁾	2.6/38	2.4/35	2.7/39	3.2/46
	215/55 R 16 ⁵⁾	2.5/36	2.4/35	2.6/38	3. 1/45
	215/50 R 17 ⁵⁾ , 225/45 R 17 ⁵⁾ , 225/45 R 18 ⁵⁾	2.7/39	2.4/35	2.8/41	3.3/48
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4.2/61

^{1) 1} bar corresponds to 100 kPa.

 ²⁾ Sales designation – see pages 256, 257.
 3) For notes on the temporary spare wheel – see page 207.
 4) Version with manual transmission.
 5) Version with automatic transmission.

(ctd.) Tyre inflation pressures in bar¹⁾/psi

Saloon		Tyre inflation pressure with up to 3 persons		Tyre inflation pressure with full load	
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Y 20 DTH, Y 22 DTR	195/65 R 15, 205/55 R 16	2.3/33	2.3/33	2.5/36	3.0/44
	215/55 R 16, 215/50 R 17, 225/45 R 17, 225/45 R 18	2.2/32	2.2/32	2.3/33	2.8/41
Y 30 DT	215/55 R 16, 215/50 R 17, 225/45 R 18	2.6/38	2.4/35	2.7/39	3.2/46
	225/45 R 17	2.7/39	2.4/35	2.8/41	3.3/48
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4.2/61

^{1) 1} bar corresponds to 100 kPa.

Sales designation – see pages 256, 257.
 For notes on the temporary spare wheel – see page 207.

(ctd.) Tyre inflation pressures in bar¹⁾

Estate		Tyre infl pressure to 3 pers	with up	Tyre infl pressure full load	with
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Z 18 XE, Z 18 XEL	195/65 R 15, 205/55 R 16, 215/55 R 16, 215/50 R 17, 225/45 R 17, 225/45 R 18	2.0/29	2.2/32	2.2/32	2.7/39
Z 20 NET	205/55 R 16 (M+S)	2.4/35	2.4/35	2.5/36	3.0/44
	21 5/55 R 16, 21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.3/33	2.3/33	2.4/35	2.9/42
Z 22 YH	195/65 R 15(M+S), 205/55 R 16	2.3/33	2.3/33	2.5/36	3.0/44
	21 5/55 R 16, 21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.2/32	2.2/32	2.3/33	2.8/41
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4.2/61

^{1) 1} bar corresponds to 100 kPa.

²⁾ Sales designation — see pages 256, 257.
3) For notes on the temporary spare wheel — see page 207.

(ctd.) Tyre inflation pressures in bar¹⁾

Estate		Tyre inflation pressure with up to 3 persons		Tyre inflation pressure with full load	
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Z 32 SE	215/55 R 16	2.5/36	2.4/35	2.6/38	3. 1/45
	21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.5/36	2.3/33	2.7/39	3.2/46
Y 20 DTH, Y 22 DTR	195/65 R 15, 205/55 R 16	2.3/33	2.3/33	2.5/36	3.0/44
	21 5/55 R 16, 21 5/50 R 17, 22 5/45 R 17, 22 5/45 R 18	2.2/32	2.2/32	2.3/33	2.8/41
Y 30 DT	215/55 R 16, 215/50 R 17, 225/45 R 18	2.6/38	2.4/35	2.7/39	3.2/46
	225/45 R 17	2.7/39	2.4/35	2.8/41	3.3/48
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4.2/61

^{1) 1} bar corresponds to 100 kPa.

Sales designation – see pages 256, 257.
 For notes on the temporary spare wheel – see page 207.

(ctd.) Tyre inflation pressures in bar¹⁾

Saloon, Estate with 19-inch whee	els	Tyre infl pressure to 3 pers	with up	Tyre infl pressure full load	with
Engine ²⁾	Tyres	Front	Rear	Front	Rear
Z 18 XE,	235/35 R 19	2.6/38	2.3/33	2.8/41	3.3/48
Z 18 XEL, Z 20 NET, Z 22 SE, Z 22 YH, Y 20 DTH, Y 22 DTR	215/55 R 16 (M+S), 225/45 R 17 (M+S)	2.3/33	2.3/33	2.5/36	3.0/44
Z 32 SE	235/35 R 19	3.0/44	2.7/39	3.2/46	3.5/51
	215/55 R 16 (M+S), 225/45 R 17 (M+S)	2.6/38	2.6/38	2.7/39	3.2/46
all	T 115/70 R 16 (temporary spare) ³⁾	4.2/61	4.2/61	4.2/61	4. 2/61

^{1) 1} bar corresponds to 100 kPa.

²⁾ Sales designation — see pages 256, 257.
3) For notes on the temporary spare wheel — see page 207.

Electrical system

Battery Voltage		12 Volt				
	Amp hours	55 Ah/ 66 Ah */ 70 Ah*/ 72 Ah*/ 85 Ah*				
Battery for radio frequency remote control of central locking system		CR 20 32				
Battery for remote control of auxiliary heater / ventilation		AAA LR 06				

Capacities (approx. in litres)

Engine ¹⁾	Z 18 XE, Z 18 XEL	Z 20 NET	Z 22 SE	Z 22 YH	Z 32 SE	Y 20 DTH, Y 22 DTR	Y 30 DT
Cooling system for vehicles							
with manual transmission							
without air con. system	5.5	7.4	7.1	7.1	7.4	7.3	_
with air con. system	5.5	7.7	7.4	7.4	7.7	7.6	8.3
with air con. system and auxiliary heating	6.0	8.2	7.9	7.9	8.2	8.2	8.9
Cooling system for vehicles							
with automatic transmission or CVTronic							
without air conditioning system	5.5	7.9	7.6	7.6	7.9	7.8	_
with air conditioning system	5.5	7.9	7.6	7.6	7.9	7.8	8.3
with air conditioning system							
and auxiliary heating	6.0	8.4	8.1	8. 1	8.4	8.4	8.9
Fuel tank (nominal capacity)							
Saloon	61	61	61	61	61	61	61
Estate	60	60	60	60	60	60	60
Engine oil with filter change	4.25	6.0	5.0	5.0	4.75	5.5	7.25
between MIN and MAX on dipstick	1.0	1.0	1.0	1.0	1.0	1.0	1.3
Fluid container for wind screen wash system	2.9	2.9	2.9	2.9	2.9	2.9	2.9
with headlight wash system	5.6	5.6	5.6	5.6	5.6	5.6	5.6

¹⁾ Sales designation – see pages 256, 257.

Dimensions (approx. in mm)

	Saloon	Estate
Overall length	4596	4822
Width	1798	1798
Width with two exterior mirrors	2036	2036
Overall height	1460	1500
Whee lb ase	2700	2830
Turning circle diameter ¹⁾	11.50	11.50

¹⁾ In metres.

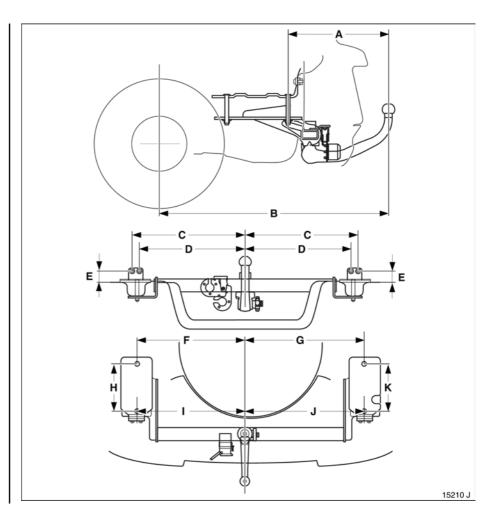
Mounting dimensions of towing equipment with removable coupling ball bar, Version with turn knob *

All dimensions refer to factory-fitted towing equipment.

Dimension	mm
A	334
В	1061
C ¹⁾ D ¹⁾	514.5
	480.5
E ¹⁾	50
F	492.5
G	486.5
Н	218
I	495
J	492.5
K	201

We recommend having towing equipment retro-fitted by a Vauxhall Authorised Repairer.

¹⁾ The attachment point is not available on all variants.



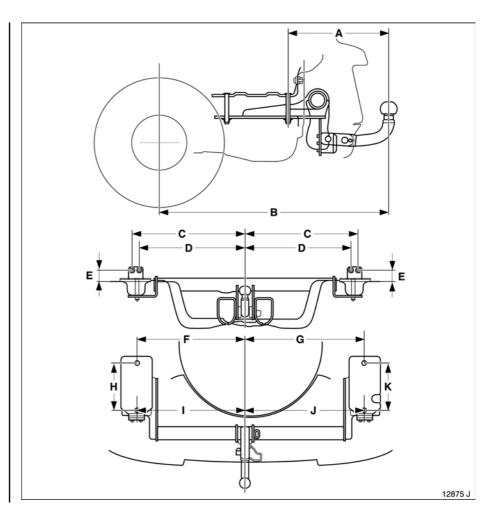
Mounting dimensions of towing equipment with removable coupling ball bar, version with levers *

All dimensions refer to factory-fitted towing equipment.

Dimension	mm
A	334
В	1061
C ¹⁾	514.5
$\frac{\mathbf{D}^{1)}}{\mathbf{E}^{1)}}$	480.5
E ¹⁾	50
F	492.5
G	486.5
Н	218
I	495
J	492.5
K	201

We recommend having towing equipment retro-fitted by a Vauxhall Authorised Repairer.

¹⁾ The attachment point is not available on all variants.

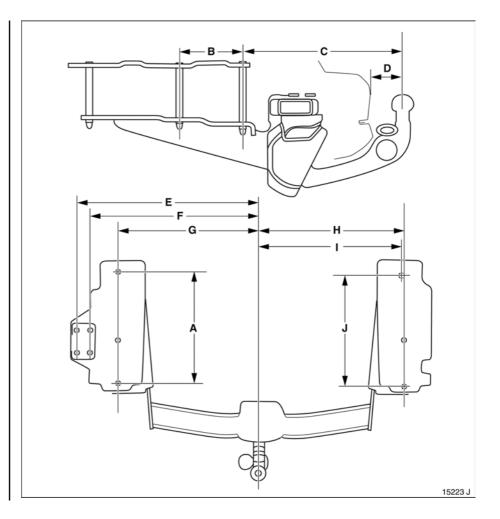


Mounting dimensions of towing equipment with pivoting coupling ball bar*

All dimensions refer to factory-fitted towing equipment.

Dimension	mm
A	396.5
В	157.5
С	386
D	74
E	630
F	590
G	491
Н	486
I	480
J	379.5

We recommend having towing equipment retro-fitted by a Vauxhall Authorised Repairer.



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